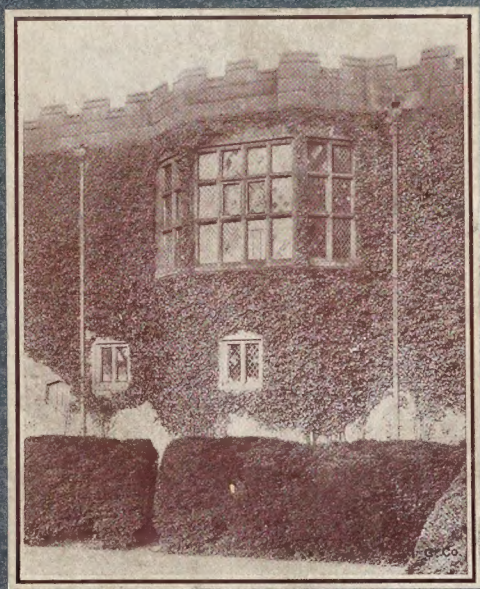
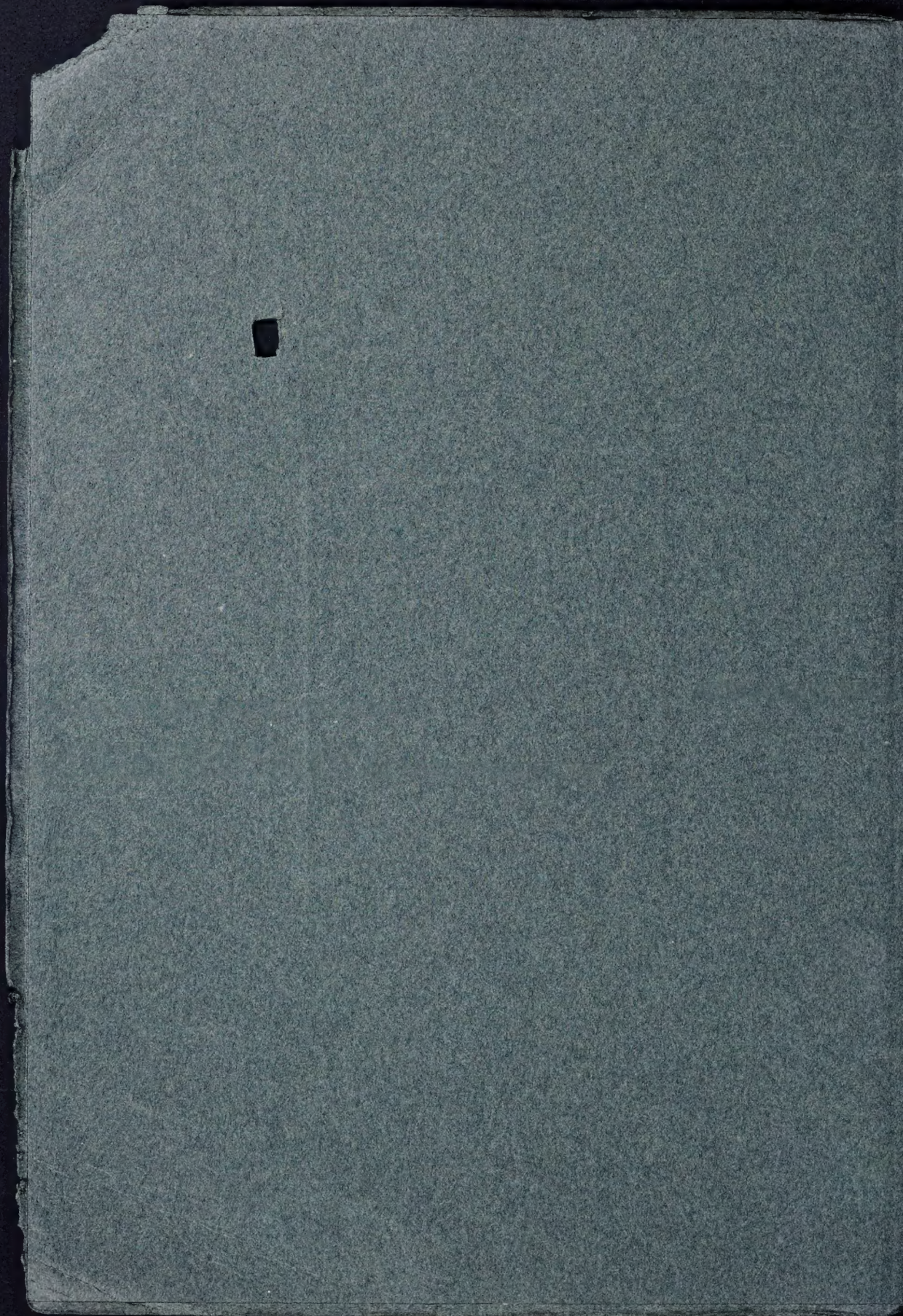


ENGLISH GASEMENT  
WINDOWS AND  
LEADED GLASS

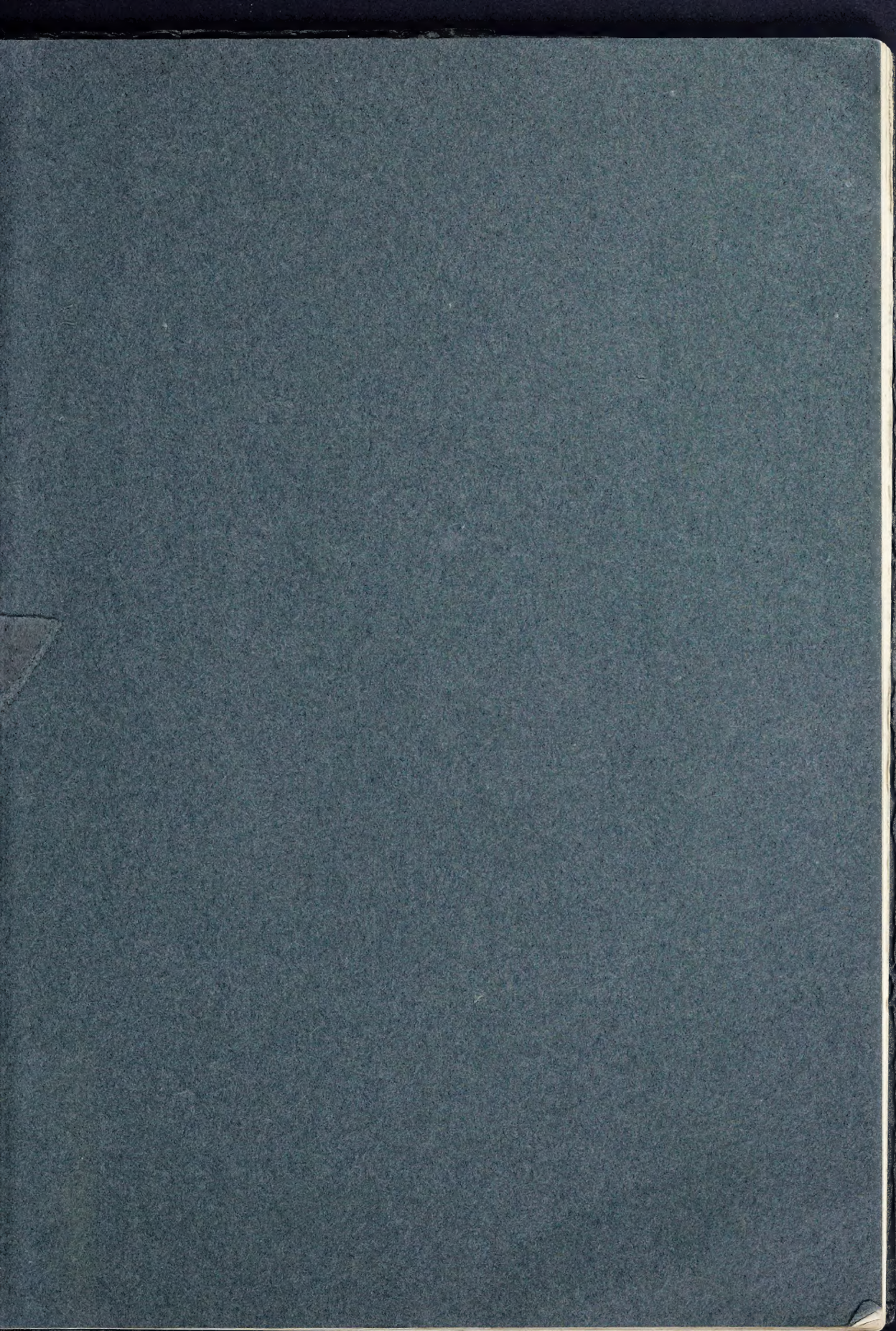


INTERNATIONAL  
GASEMENT CO. INC.  
JAMESTOWN, N.Y.

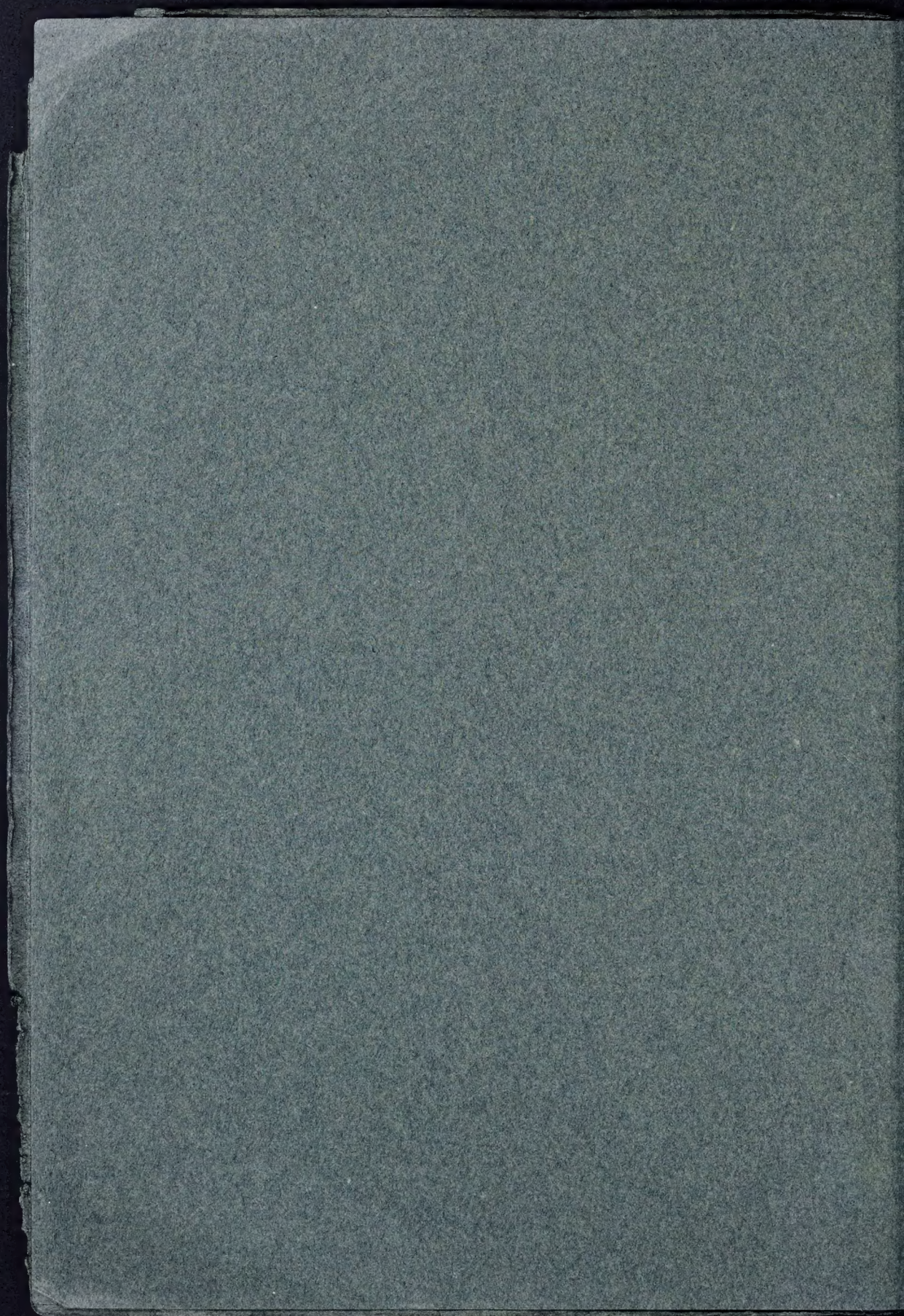














# ENGLISH CASEMENT WINDOWS AND LEADED GLASS



INTERNATIONAL CASEMENT CO., INC.  
GENERAL OFFICES - - JAMESTOWN, NEW YORK  
Factories - - JAMESTOWN, N.Y.—LIVERPOOL, ENGLAND  
NEW YORK CITY OFFICE - - - PARK ROW BUILDING

TELEPHONES—JAMESTOWN 1253  
CORTLANDT 7916 N.Y. CITY



## AGENCIES:

### BOSTON, Mass.

Boston Metal Fireproofing Co., 8, Beacon Street.  
W. J. Grosvenor. W. H. Atwood.  
Telephones: Haymarket 3836 and 3837.

### PHILADELPHIA, Pa.

Cooper & Lucas, 834, Real Estate Trust Bldg.  
Telephones: 11-27 Walnut, 18-76 Race.

### CHICAGO, Ill.

Olney J. Dean & Co., 12th floor Association Bldg.  
Manager, Casement Department: George W. Stocker.  
Telephones: Central 3462 and 3463.  
Automatic 34-821.

### PITTSBURGH, Pa.

Mr. L. H. Gibson, P.O. Box 526.  
Telephone: 1307 R. Hill.

### MINNEAPOLIS and ST. PAUL, Minn.

Oscar F. Symons Co., 503, Pioneer Bldg.,  
838, Plymouth Bldg., St. Paul, Minn.  
Minneapolis. (S. V. Ballou, Manager.)

### ST. LOUIS, Mo.

Mr. W. E. Way, 614, Victoria Bldg.  
Telephone: Olive 1418.

### WASHINGTON, D.C.

Mr. T. A. Bright, 407, Commercial National Bank Bldg.  
Telephone: ~~North 775~~ *Main 5134*

### CLEVELAND, Ohio.

The Cleveland Fireproof Equipment Co., Room  
1337, Schofield Building.

### WILKES-BARRE, Pa.

Mr. C. S. Greene, 319, Second National Bank Bldg.

### CINCINNATI, Ohio.

Fursell-Grand Co.,  
Suite 1207-48-49, Mercantile Library Bldg.  
Telephones: Main 891-892.

### DENVER, Colo.

Charles C. Patterson Co., 1721, Stout Street.  
Telephone: Main 7733.

### SALT LAKE CITY, Utah.

Manufacturers Specialties Co., 418, Boston Bldg.  
Telephone: Wasatch 4731.

### LOS ANGELES, Cal.

Mr. Louis R. Bedell, 520, West Ninth Street.

### LOUISVILLE, Ky.

Mr. Thomas L. Barret, 127, North Third Street.

### MILWAUKEE, Wis.

Phillip Gross Hardware Co., 126-128, Grand Ave.  
Telephone: Grand 1116.

### KANSAS CITY, Mo.

J. P. Sprague Company, 1311-1315, Rialto Bldg.  
Telephones: Home 9359, Bell 2796 Main.

### MEMPHIS, Tenn.

Mr. C. F. Johnson, 628-629, Exchange Bldg.  
Telephones: Main 234-983.

### HELENA, Mont.

Mahan & Grant, 32, West Sixth Ave., P.O. Box 774  
Telephone: Bell 71.

### SAN FRANCISCO, Cal.

Mr. E. C. Dehn, 301, Hearst Bldg.  
Telephone: Sutter 6071.

### ARGENTINE AND URUGUAY

Acosta & Co., Suipacha 350, Casilla De Correo 1326, Buenos Aires, Argentina.

### EASTERN CANADA

Stinson-Reeb Builders' Supply Co., Top Floor, Read Building, Montreal, Que.  
Telephone: Main 402.

### WESTERN CANADA

Warrington & Johnson, 303, Duncan Building, Vancouver, B.C.  
Telephone: Seymour 4912.



INTERNATIONAL CASEMENT CO., INC.  
JAMESTOWN, N. Y.  
LIVERPOOL, ENGLAND



## INTRODUCTION



Presenting this catalogue to the architectural profession and building trades we have endeavored to show, by architectural plates, the construction and application of metal casement sashes to meet the new and varying conditions as they exist in this country and Canada. In addition, we have also tried to make the work as comprehensive as possible by giving complete details of every form of casement sashes and ventilators, with list prices.

With the assistance of Mr. Sydney E. Castle, Architect, London, we have been able to show photographs and measured drawings of casement windows and leaded glass in four sixteenth-century Tudor mansions, the best examples of their type in England. These photographs, while lending interest to the various pages, will doubtless be helpful to the architect and client. There is no doubt that much of the quaint charm of the English home is due, to a great extent, to the mullioned casement windows and small panes of leaded glass. In these measured drawings we have endeavored to show the peculiarities of the casement hardware and leaded glass, also the size of leaded glass panes, both rectangular and diamond. The measurements, styles, and information given may be depended upon as being authentic and absolutely reliable.

The sections or steel shapes that form our casements are specially designed to meet the climatic conditions in this country, and the rolls are kept for our exclusive use. Section No. 1 is designed so that a "three-point" casement can be supplied for all sizes of windows. It is, however, no longer necessary to use the heavy section for transoms and casements under 6 feet 0 inches in height, as both the light and heavy sections have the same appearance inside and outside.

Hardware and leaded glass are fully described in these pages, and can readily be found by referring to the index on page four.

We take this opportunity of inviting you to visit our factory to see the work in progress and to form your own judgment as to our capabilities. Our leading mechanics are men who have had many years' experience in England manufacturing casement windows, and special hardware for same.

For the future, it will be our highest ambition, by producing casement sashes efficient and weathertight under any and all conditions, as well as neat and artistic in appearance, to build up a business on the solid foundation of quality and square dealing.

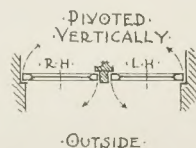
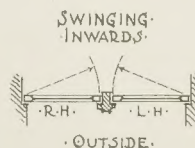
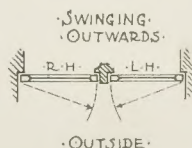
JAMESTOWN, NEW YORK

MARCH, 1913

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SWING OR HANDS OF  
CASEMENTS  
GIVEN WHEN  
STANDING INSIDE  
THE ROOM LOOK-  
ING OUTSIDE.



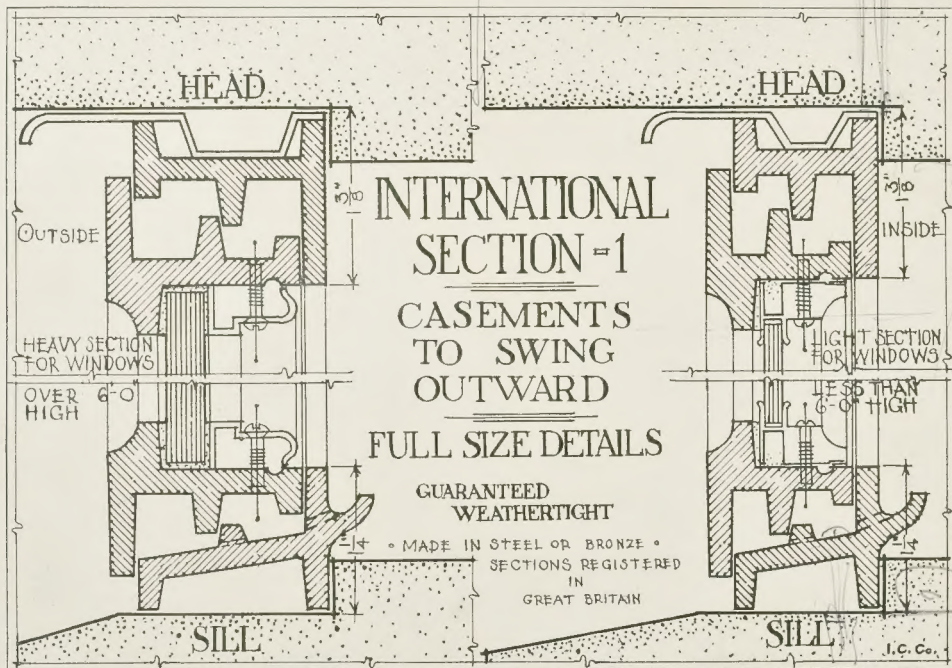
I.C.Co.



# SPECIFICATIONS

STEEL . . . . .	The bars are of mild steel made from rolls kept for our exclusive use, free from hammer marks and other imperfections. The weather-bars are specially rolled to conform to the shape of the sections.
JOINTS . . . . .	All joints are machine cut and fitted with precision.
WELDING . . . . .	Corners are solid welded by autogenous process.
CLEANING . . . . .	Bars are cleaned perfectly free from rust and scale by either the sand blast or pickling process.
PAINTING . . . . .	Frames and sashes are painted two good coats.
BAKING . . . . .	Each coat is baked on, to give a more lasting finish and minimise the possibilities of rust.
ENAMELLING . . . . .	Our list prices include for two coats of paint, but when specially ordered we give the casement an extra coat of hard-drying enamel, baked on as the other two coats. Add five per cent. to list prices of either No. 1 or No. 2 quality.
GLASS STOP MOULDS	The glass stop moulds (glazing beads) are of steel with corners mitred and welded, forming complete frame. Painted as sashes and set by brass screws. Extra over list prices 22 cents per lineal foot. Glass stop moulds should always be used, as glazing metal sashes by putty is unsightly and unsatisfactory.
HARDWARE . . . . .	<p>The hardware alone regulates the quality of casement sashes. In quality No. 1 the hardware is in solid bronze throughout and consists of fastener with device for holding casement open one inch without noise or rattling, and screw-down adjuster that does not project into the room on opening the window.</p> <p>In quality No. 2 the hardware is in black iron with hard-bronze working parts and consists of fastener with device for holding casement open one inch, and pin adjuster.</p> <p>Casement sashes over 5 feet 0 inches high have, in addition to fastener, a double or treble grip sliding bolt securing sash at top, bottom, and centre by one movement of the fastener.</p> <p>Transoms and ventilators within reach have pin adjuster or spring catch to work by hand; if out of reach they are operated by opening devices and cords.</p> <p>Fastener plates are in mild steel and are welded solid to the sashes.</p> <p>Pivot hinges are mild steel forgings bushed with bronze. Screws are put in from the back to prevent the sash from being taken out readily from outside.</p>
FINISH OF HARDWARE	<p>In quality No. 1 the bronze hardware is polished and finished a warm brown tone (statuary bronze).</p> <p>Quality No. 2 the iron is finished a dead black. Estimates given for special finishes. All hardware is applied to sashes before leaving our factory.</p>
INSPECTION . . . . .	Frames, sashes, and hardware are subjected to a rigid inspection as to sizes and quality of finish before they leave the factory.
SETTING . . . . .	Frames are bedded and pointed with mastic cement and set by brass screws. If set into masonry lead expansion bolts are used.
GUARANTEE . . . . .	Sections 1, 1A, and 1C we guarantee absolutely weathertight under any conditions. Sections 2, 2A, and 2S we recommend for casements of moderate size (say up to 4 feet 6 inches high).
LEADED GLAZING . . .	This is fully dealt with and described in the title-page preceding this department. It is a distinct advantage to have the casement manufacturer make the leaded glass, and thus avoid mistakes in glass sizes, positions of fasteners, and stay bars.
TERMS OF PAYMENT .	Fifty per cent. of the amount of contract on delivery. Thirty per cent. monthly during the progress of setting, and final twenty per cent. thirty days after completion of the setting.

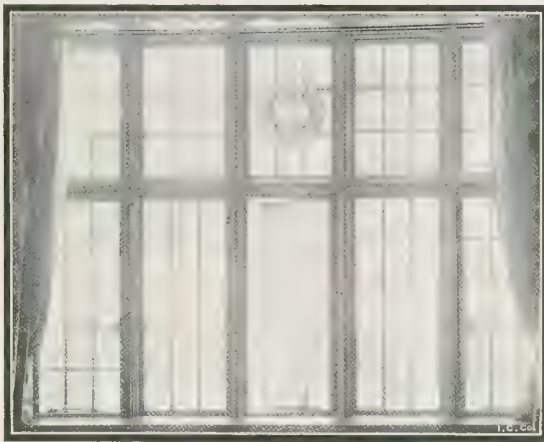




See page 5 for complete specifications.

See page 54 for complete price lists.

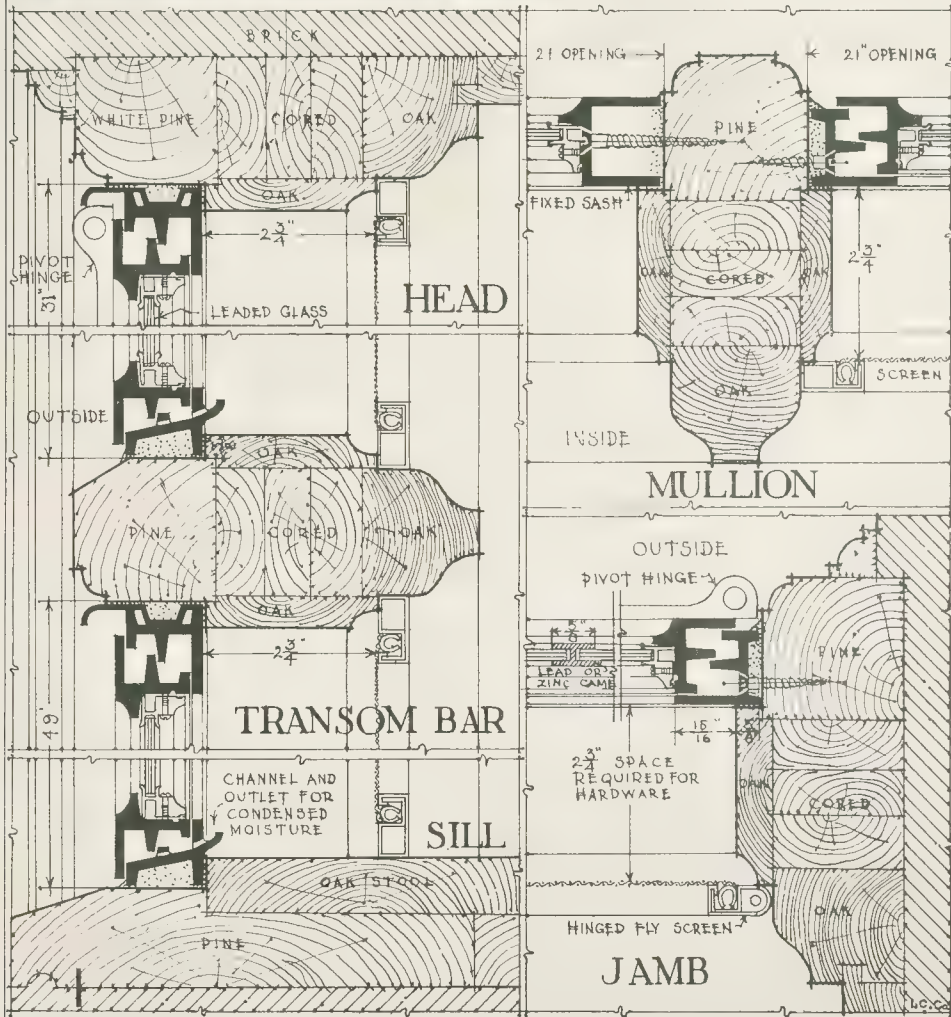




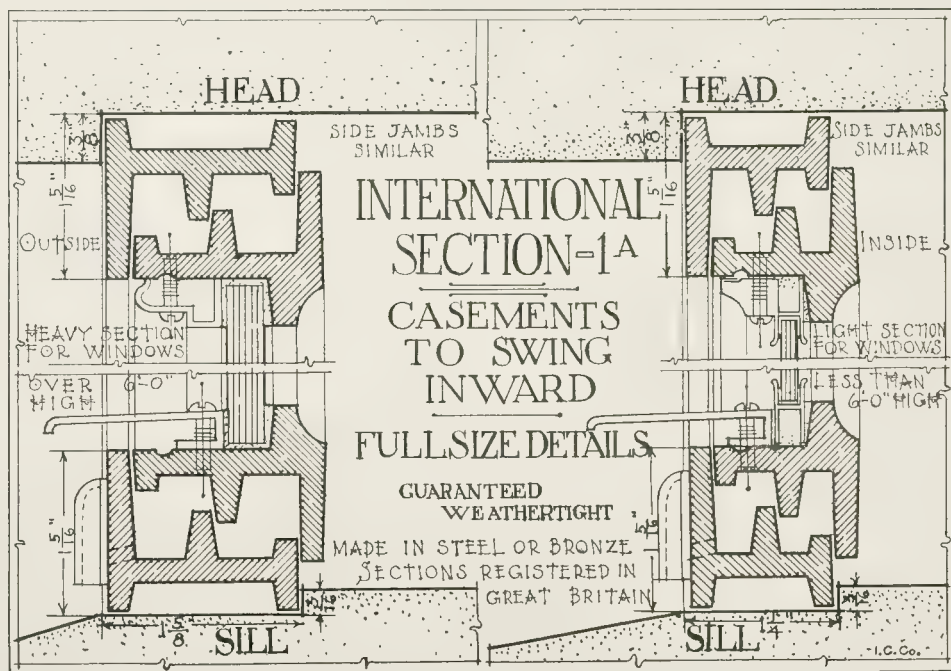
# INTERNATIONAL SECTION-1

## CASEMENT SASH TO SWING OUT

### HALF FULL SIZE DETAILS







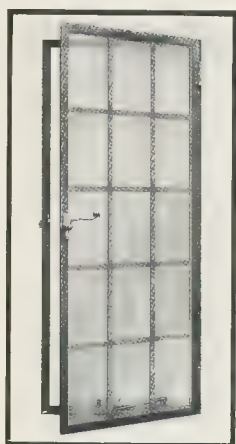
See page 5 for complete specifications. See page 54 for complete price lists.



INTERNATIONAL  
CASEMENT  
Co., INC.

SECTION-1A

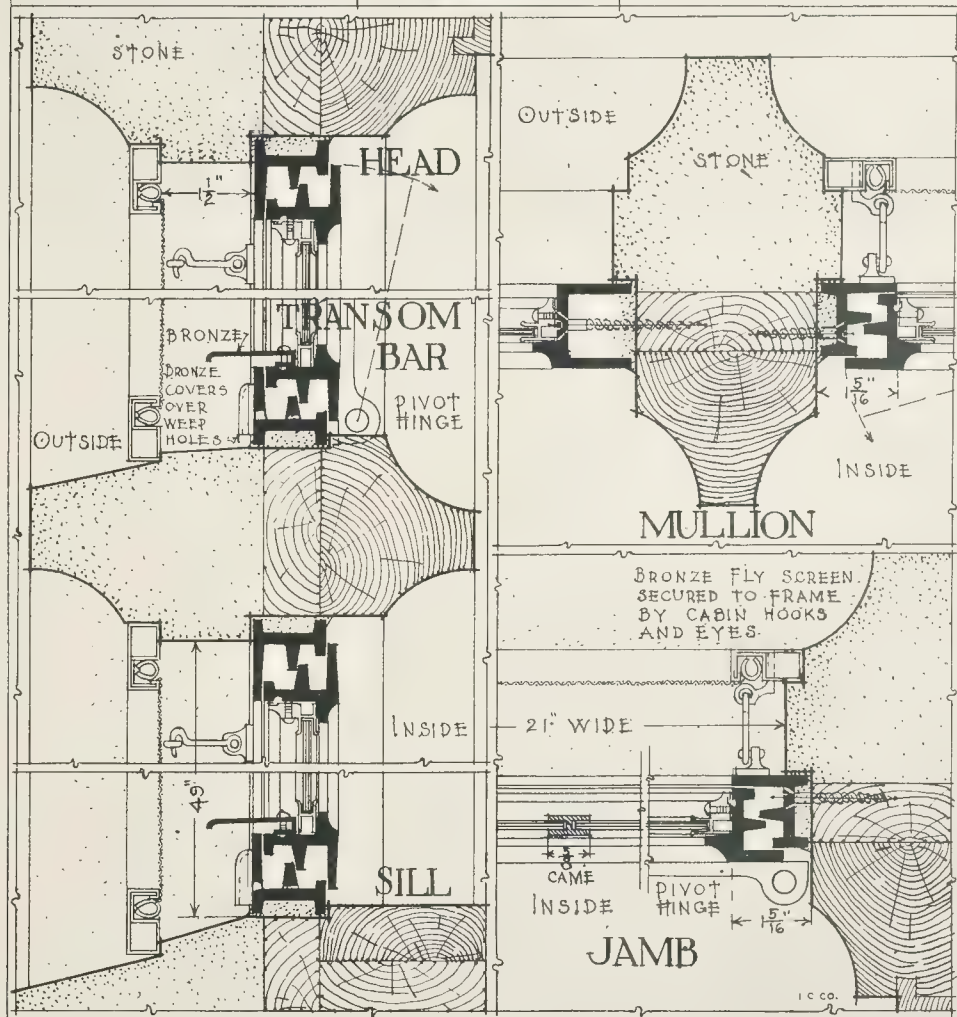
HALF FULL  
SIZE DETAILS



CASEMENT  
WINDOW TO  
SWING IN

CAN BE MADE  
IN EITHER  
STEEL OR BRONZE

GUARANTEED  
WEATHERTIGHT





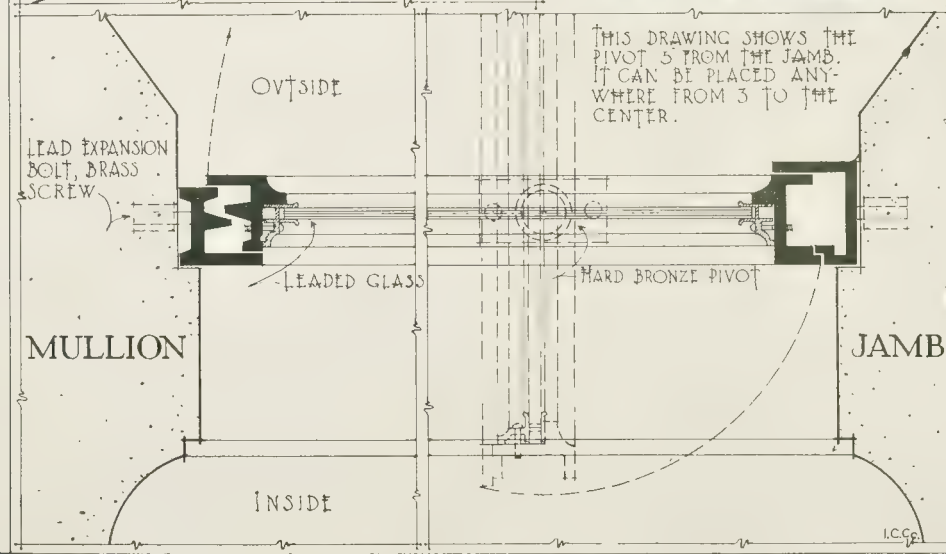
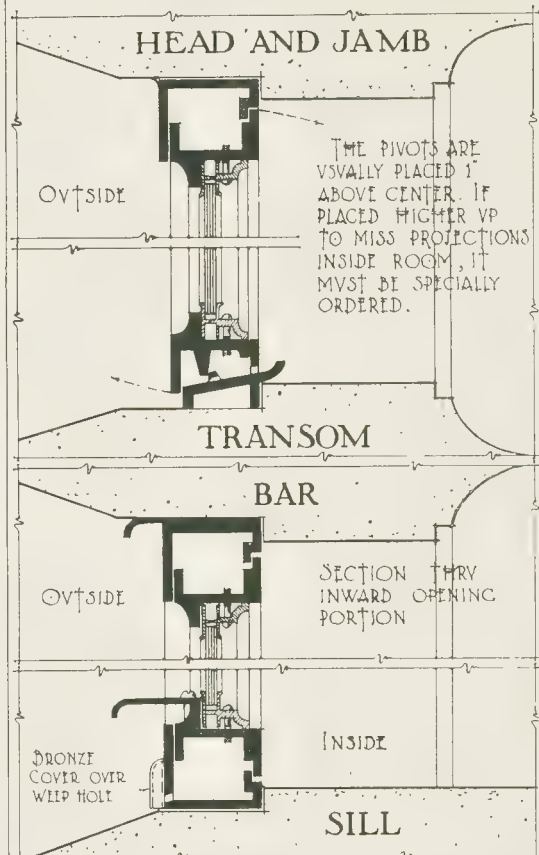
# HALF FULL SIZE DETAILS INTERNATIONAL CASEMENT Co.,INC.

## SECTION 1-C

CASEMENTS PIVOTED VERTICALLY

TRANSOMS PIVOTED HORIZONTALLY

GUARANTEED WEATHERTIGHT





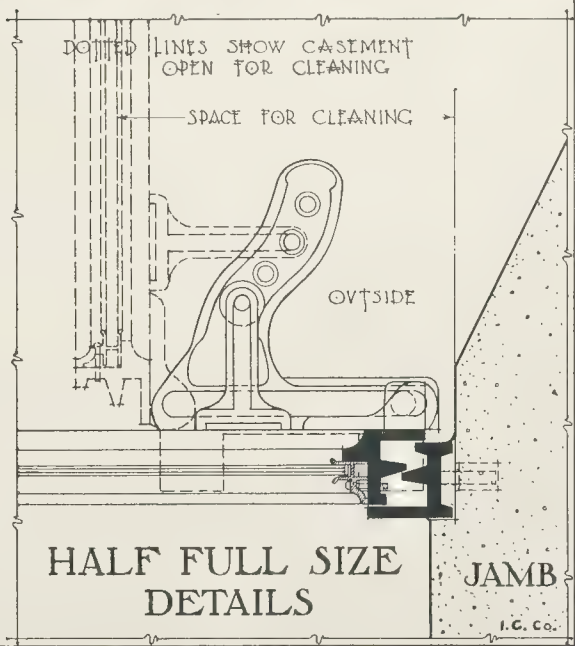


THE  
INTERNATIONAL  
CASEMENT CO'S  
PATENT SAFETY-  
CLEANING HINGE  
SOLVES THE  
QUESTION OF  
CLEANING CASE-  
MENT WINDOWS  
FROM INSIDE  
WITHOUT DANGER

No projection in room.  
No interference with cur-  
tains, shades, fly screens etc.

Can be kept open without  
noise or rattling, for slight or  
full ventilation.

OPERATION SAME AS REGULAR CASEMENTS





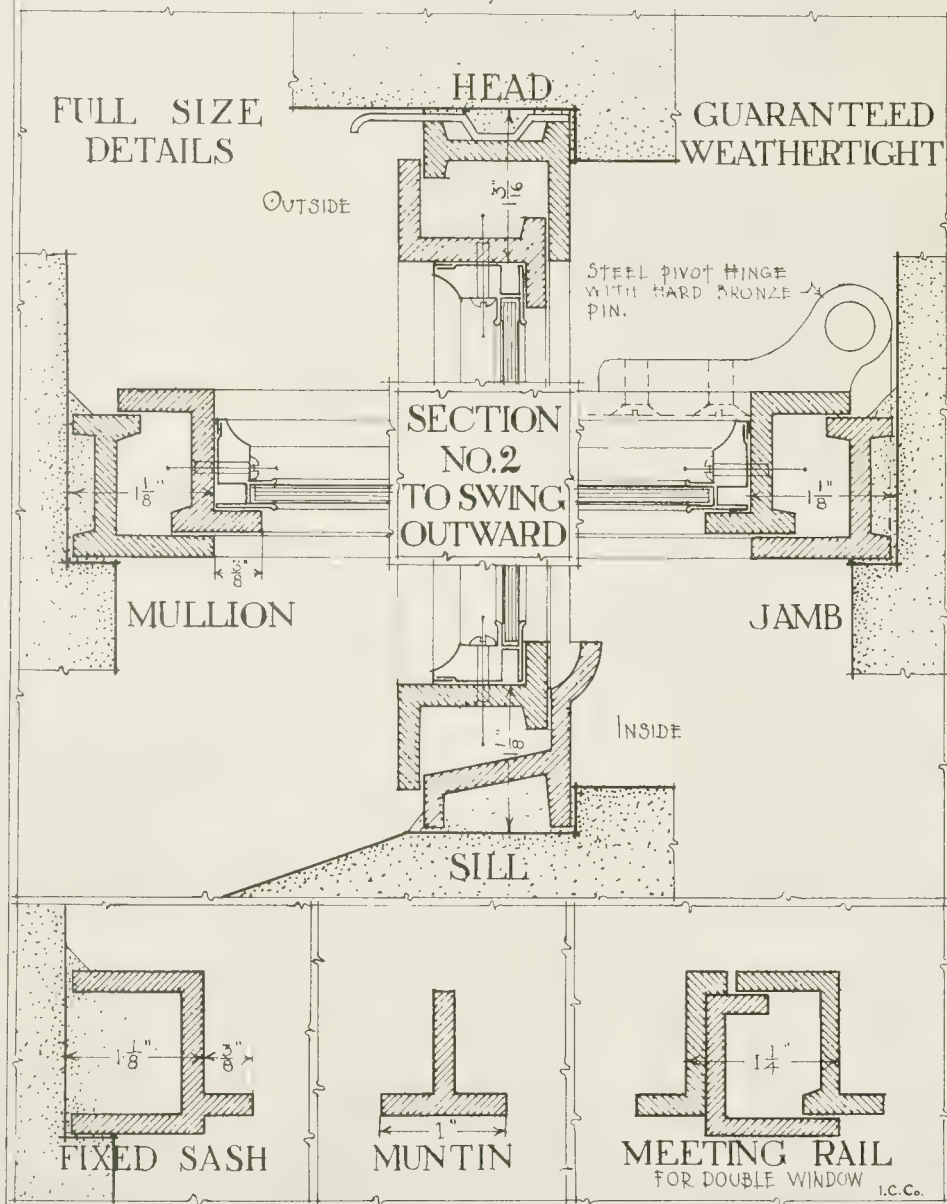
# INTERNATIONAL CASEMENT COMPANY.

• INCORPORATED •

## JAMESTOWN, NEW YORK.

• Full Size Details •

• For Casements of Moderate Size. •





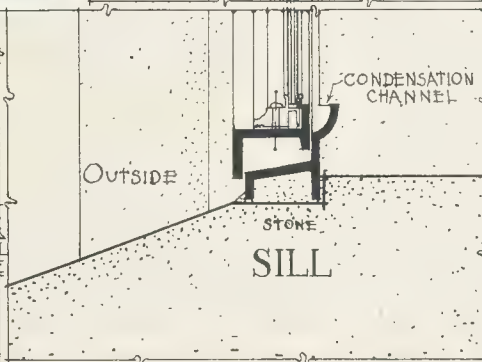
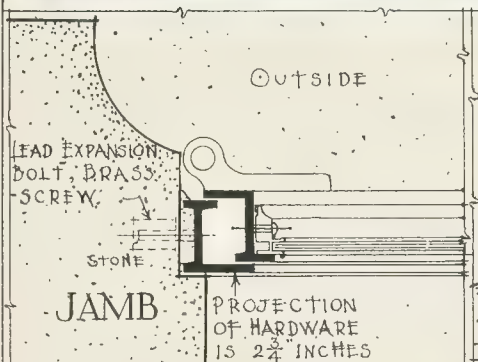
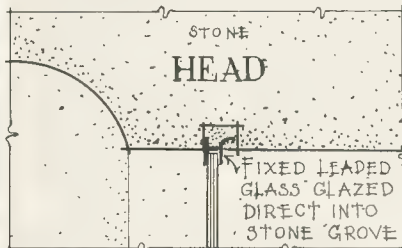


# INTERNATIONAL CASEMENT-CO.

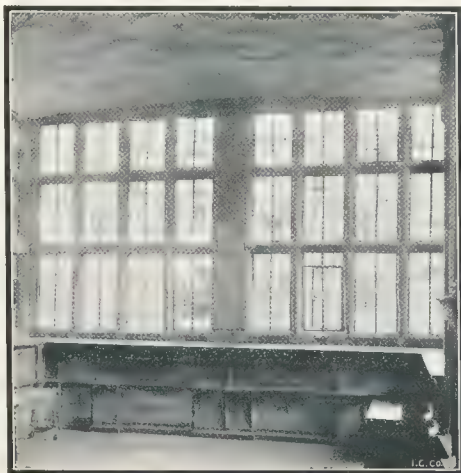
INCORPORATED

## SECTION NO.2 HALF FULL SIZE DETAILS

GUARANTEED WEATHERTIGHT



The two photographs are taken from Maddon Hall, Derbyshire, England. Built in the 16<sup>th</sup> century. The interior view shows square bay in long gallery -



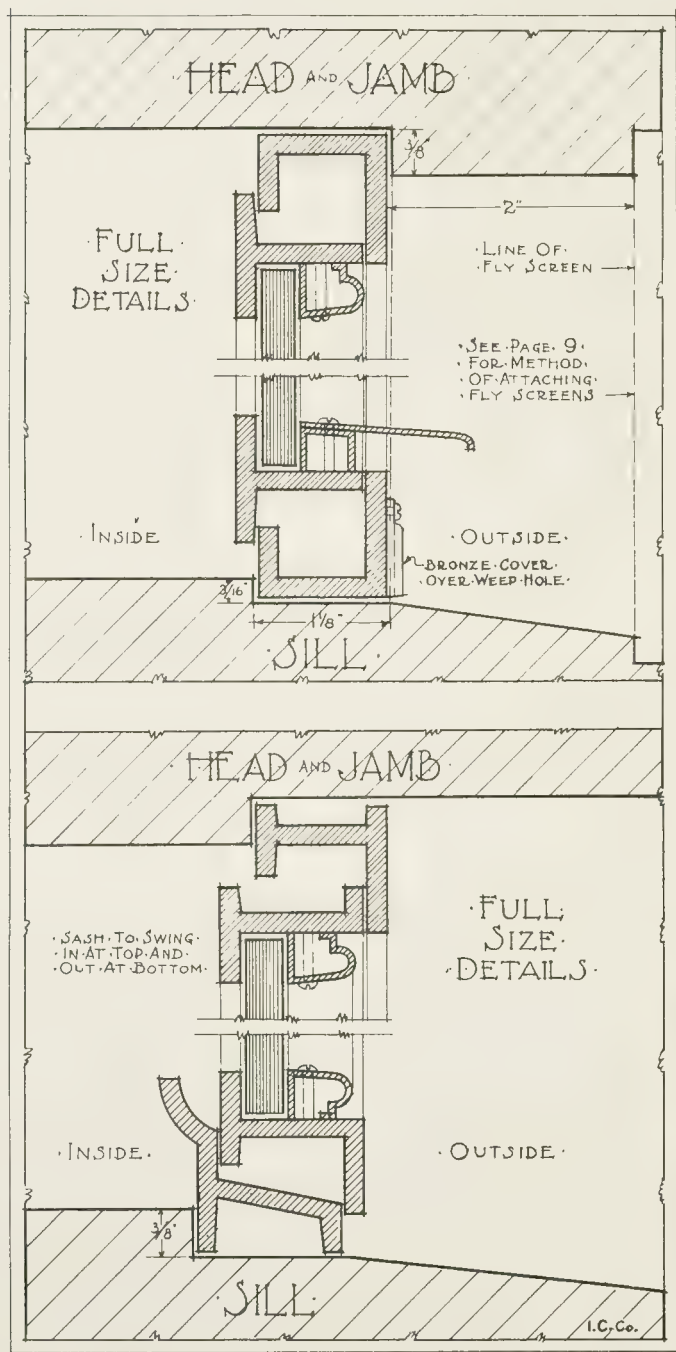
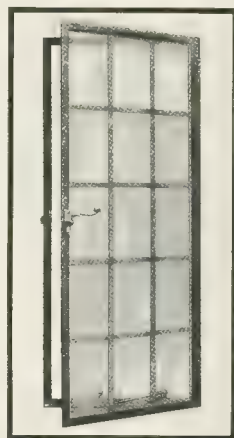
I.C.Co.



# INTERNATIONAL CASEMENT CO., INC.

## CASEMENTS TO SWING INWARDS

SECTION 2A



HORIZONTAL  
PIVOTED  
VENTILATOR

SECTION 2S



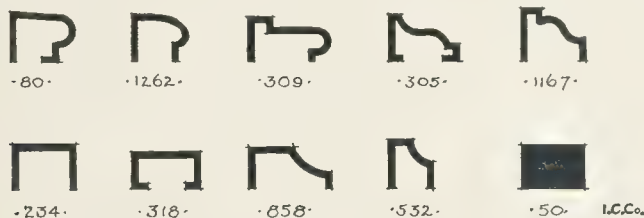
See page 54 for complete price lists.



# INTERNATIONAL CASEMENT CO., INC.

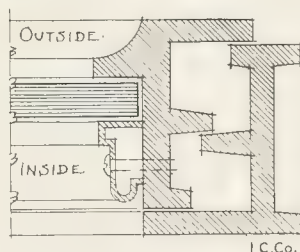
## METAL STOP BEADS FOR HOLDING IN THE GLASS

GLAZING metal sashes with an outside or inside pointing of putty is a mean, unsatisfactory proposition and a neat, clean-cut appearance can never be obtained, and in many cases the oil from the putty runs down and stains the stonework. We recommend the use of metal stop beads set with brass or bronze screws. The extra for same over list prices is 22 cents per lineal foot. Below we give, full size, the various designs we can supply in iron or in bronze.



See page thirty-four for special combination lead came and metal stop bead made and supplied with our leaded glass.

Full size detail, showing application of metal stop bead to outward swinging sashes, section No. 1.



## ROLLED STEEL OR BRONZE MUNTINS

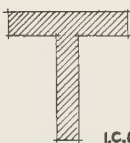


Photograph of French casement with No. 2009 steel muntins



·2003·

MUNTIN USED IN CONJUNCTION WITH SECTIONS No. 1, No. 1A, AND No. 1C.



I.C.Co.

2009·  
Full size details.

MUNTIN USED IN CONJUNCTION WITH SECTIONS No. 2, No. 2A, AND No. 2S.



# INTERNATIONAL CASEMENT CO., INC.

## ALL METAL CASEMENT WINDOWS AND TRIM FOR FIREPROOF STRUCTURES

ON the opposite page we have illustrated type of window that is largely used and that can be made of steel to good advantage.

NOTE the entire elimination of wood.

THE box frames can be made of  $\frac{1}{2}$ -inch steel, or steel and bronze, the latter on all exposed surfaces. See detail opposite. These box frames have steel anchors so that they can be built into the masonry as the walls go up. Casement frames, sash, and trim are set after the rough plastering is completed.

ANY of these windows, with proper stiffening bars between, can be used as units to fill larger openings.

WE manufacture the box frames and trim, and can therefore give prices for the complete window, including glass if necessary.

THESE windows are guaranteed to exclude absolutely all wind and rain when closed.

PRICES quoted on application.

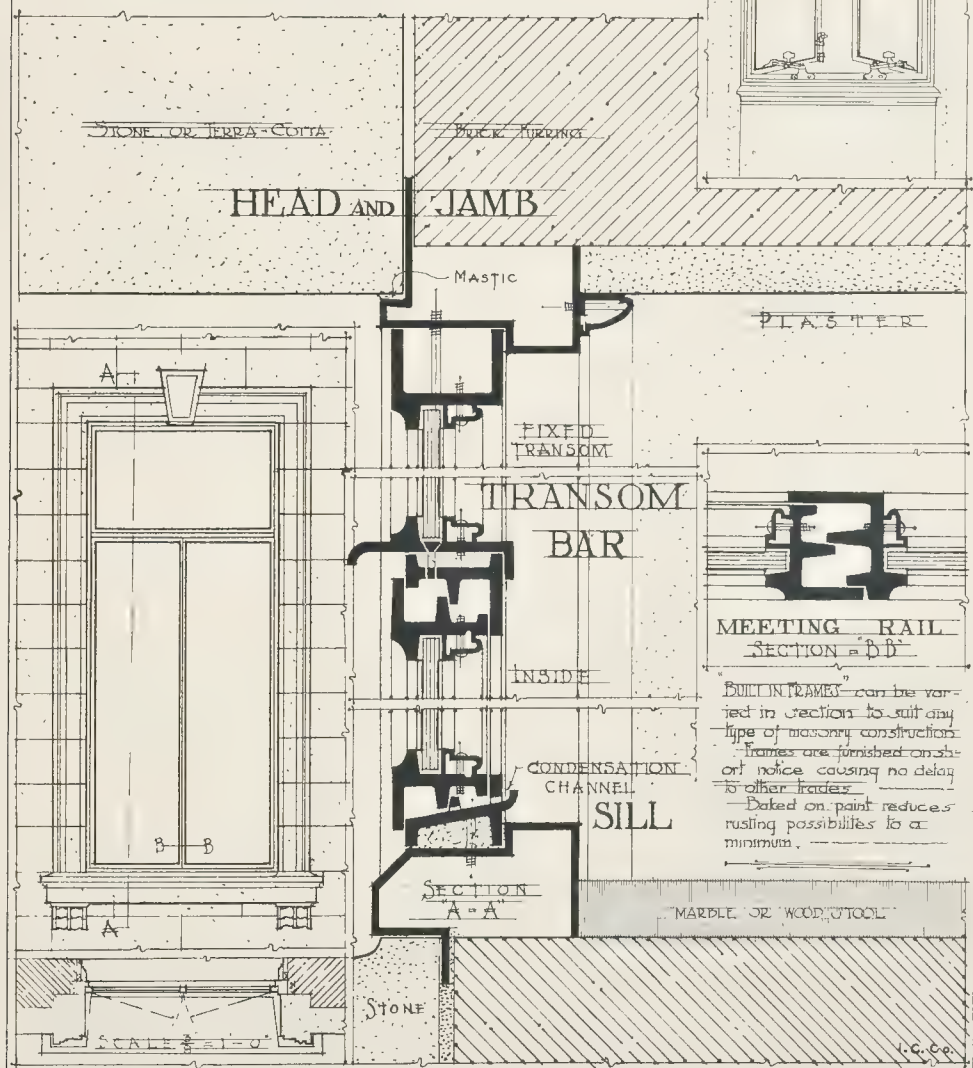
SEE page nineteen for French windows swinging inwards in pairs.



# INTERNATIONAL CASEMENT COMPANY, INC.

Half Full Size Details of Casement Sash in  
Solid Rolled Steel or Draun Bronze ◻  
◦ Hung in pairs to swing outward ◦

SUITABLE FOR PUBLIC BUILDINGS  
GUARANTEED WEATHERTIGHT



See page 6 for full-size details of casement sashes.

Page Seventeen

# INTERNATIONAL CASEMENT CO., INC.

## FRENCH WINDOWS AND CASEMENT DOORS FOR FIREPROOF STRUCTURES

METAL casement windows can be adapted to suit various styles of architecture. On the opposite page we have illustrated windows hinged in pairs to swing inwards with hinged transom, divided into small glass panes by metal muntins. Box frames are made either in  $\frac{1}{2}$ -inch steel or steel of lighter gauge with sheet bronze on the exposed surfaces, and are prepared with steel anchors for building into masonry as work proceeds. The inside trim is all steel with baked enamel finish, grained to match wood or in plain colors. The steel sash and frame are usually finished white, and a fine effect is thus obtained.

NOTE the entire elimination of wood.

IMPORTED French espagnolette bolts can be fitted to these windows in any desired finish or design where a rich effect is required.

WE manufacture the box frames and trim, and can therefore give prices for the complete window, including glass and glazing if necessary.

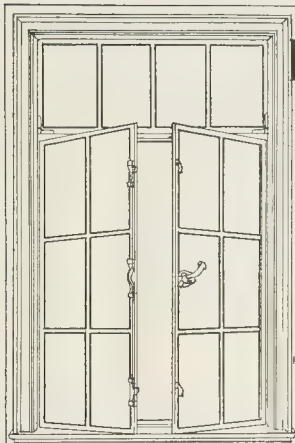
IF these windows are to be used as doors leading to balconies or porches, the section at the sill is changed and a bronze saddle substituted for the steel casement section.

THESE windows are guaranteed to exclude absolutely all wind and rain.

PRICES quoted on application.

SEE page seventeen for double windows to swing outwards in pairs.



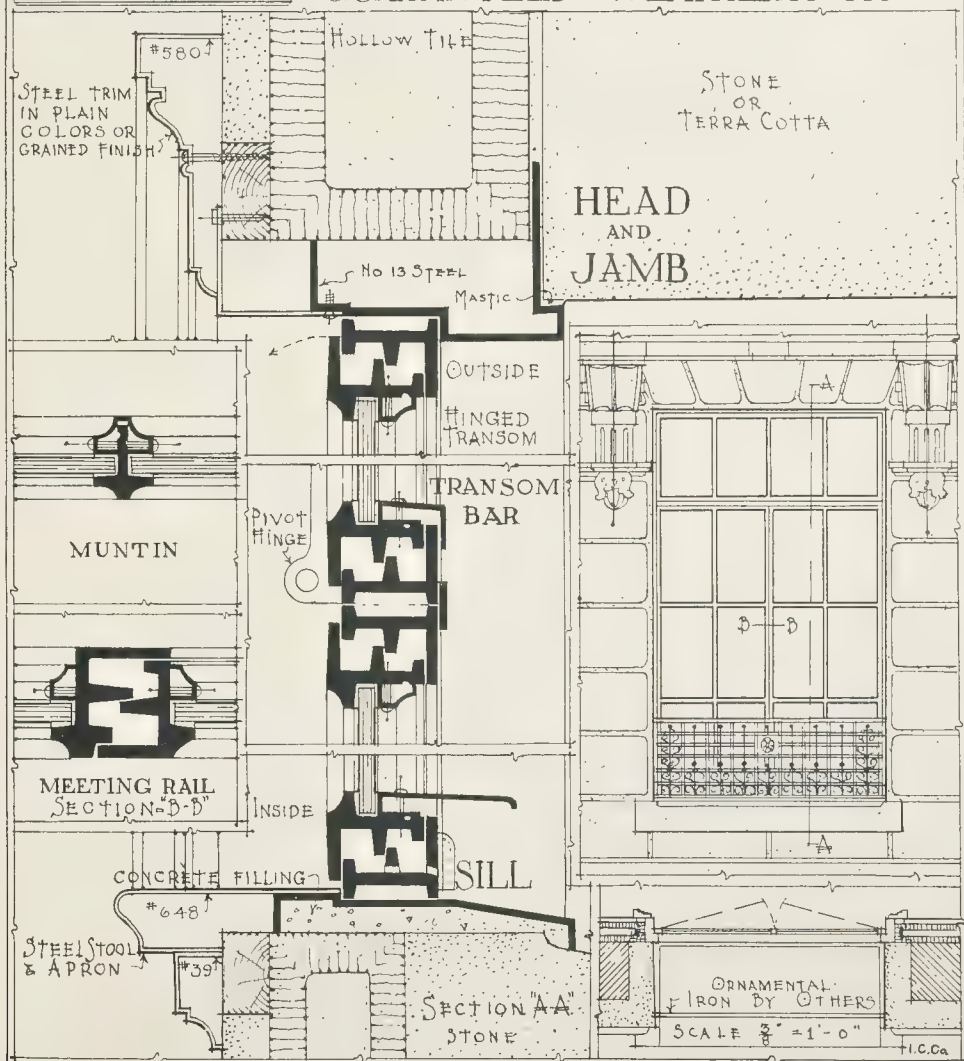


# INTERNATIONAL CASEMENT COMPANY, INC.

Half Full Size Details of Casement Sash • in  
Solid Rolled Steel or Drawn Bronze •  
• Hung in pairs to swing inward •

FRENCH WINDOWS OR DOORS  
SUITABLE FOR HOTELS, APARTMENT  
HOUSES, RESIDENCES, ETC.

GUARANTEED WEATHERTIGHT



See page 8 for full-size details of casement sashes.

Page Nineteen

# INTERNATIONAL CASEMENT CO., INC.

## ROLLED STEEL CASEMENT SASHES FOR OFFICE BUILDINGS

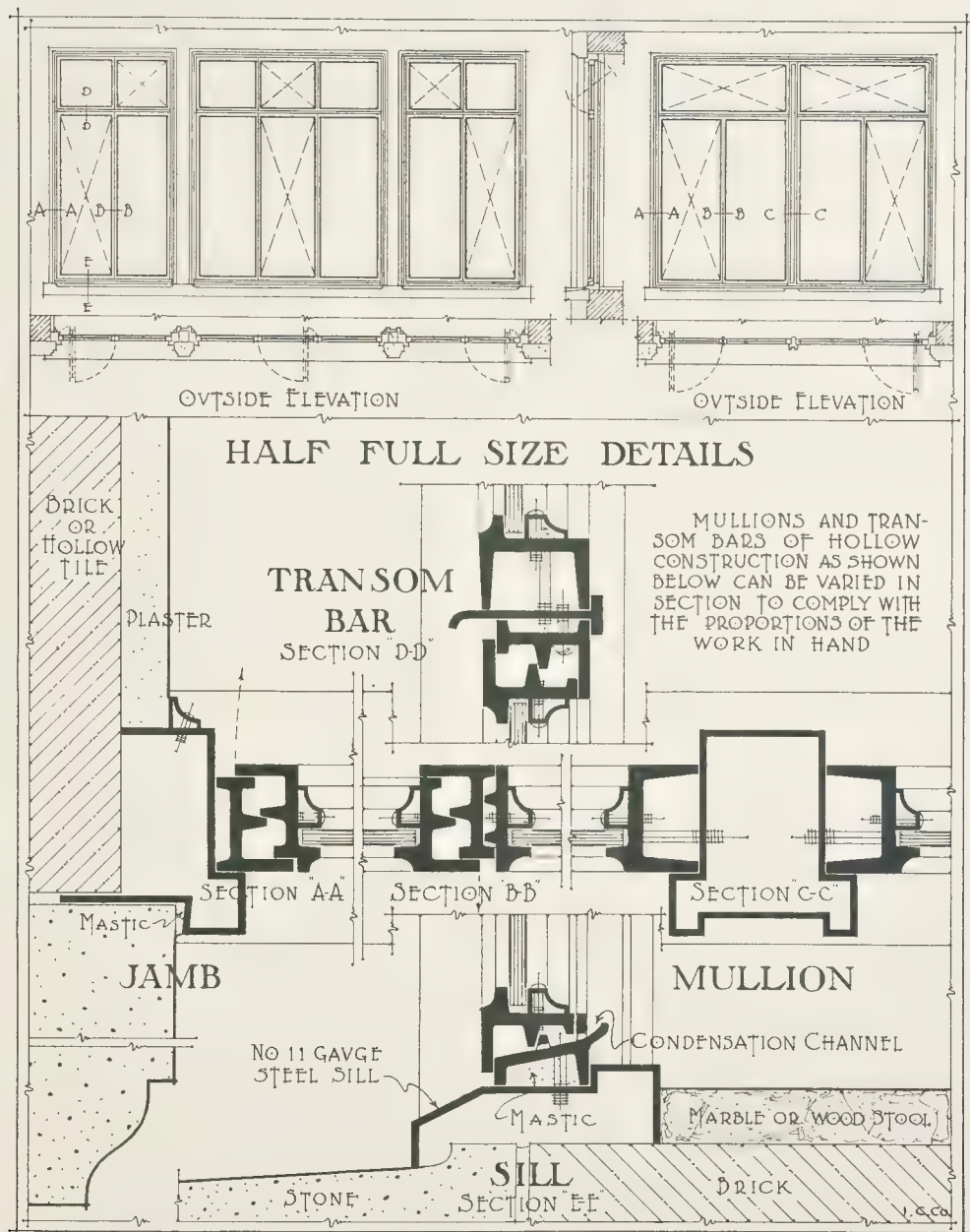
### ADVANTAGES

- I. They are weathertight.
- II. Never stick, always easy to operate.
- III. Never rattle in windstorms.
- IV. Give perfect ventilation without draught.
- V. Safety cleaning from inside and consequent lessening of risk, cost of insurance, and window cleaning.
- VI. Give maximum amount of daylight.
- VII. They are permanent.
- VIII. With our steel inside trim, wood is entirely eliminated and complete fireproofing is assured.
- IX. Artistic appearance both inside and outside.
- X. Box frames made of  $\frac{1}{8}$ -inch steel, or lighter gauge steel, with sheet bronze on outside exposed surfaces, are delivered ready for building into brick walls, so no trades are kept waiting.
- XI. We include in our price for box frames, casement sash, hardware, setting, inside steel trim, the latter in a grained finish if desired.

IF YOU ARE INTERESTED SEND FOR OUR REPRESENTATIVE  
SEE PAGE FIVE FOR COMPLETE SPECIFICATION



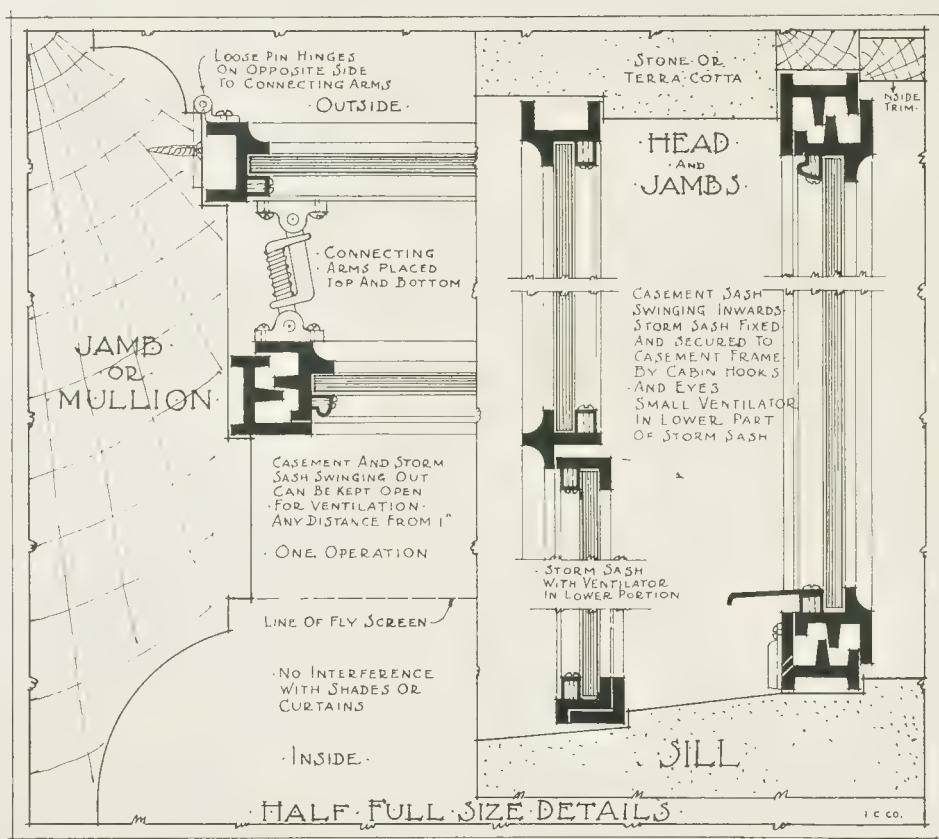
# INTERNATIONAL CASEMENT SASHES FOR OFFICE BUILDINGS, ETC. FIREPROOF · WEATHERTIGHT · DURABLE



# INTERNATIONAL CASEMENT CO., INC.

## ROLLED STEEL STORM SASHES AND DOUBLE SASHES TO DEADEN STREET NOISES

CONDITIONS arise in many districts during certain parts of the year when storm sashes are absolutely necessary to keep the rooms of even temperature. In Banks and Office Buildings, where the noises from the street are objectionable, openings should have double-glazed sashes. We have carefully studied this question, and find the construction shown below to be the most satisfactory. For sashes swinging outwards both inner and outer sashes can be operated by one movement, and both sashes can be rigidly held without rattling. Our two-point fastener allows both sashes to be kept open about 1 inch when slight ventilation is needed, whilst the adjuster can be used to keep them open any distance up to 45 degrees.



See page 54 for prices.



# INTERNATIONAL CASEMENT CO., INC.



## SCREENING CASEMENT WINDOWS

PHOTOGRAPH SHOW-  
ING TWO CASEMENT  
SASHES SWINGING OUT  
WITH HINGED METAL  
FLY SCREENS, CENTRAL  
SASH STATIONARY

A FEW years ago the problem of screening casement windows was a difficult one, but it has now been solved by some of the leading makers of screens in the country. If the casement sashes swing in, we set small bronze cabin hooks on the casement frames which fit into eyes set in the screens, thus the taking out and the replacing of the screens is a simple operation. See half full-size details on page nine.

FOR sashes swinging outwards hinged screens or roller screens can satisfactorily be used. For the former, the opening and closing of the screen to open the casement is the work of a few seconds, and the casement can be kept open at any angle without interfering with shades or curtains, an almost impossible task when the casements swing inwards. Half full-size details showing the screens applied to side-hinged casements swinging outwards will be found on page seven. The minimum projection of our hardware from inside face of casement frame is 2 inches and the maximum  $2\frac{3}{4}$  inches.

AS will be seen by the photograph above, the fly screens are hardly noticeable, and certainly cannot be called objectionable. The screens in the photograph are metal, and have a simple arrangement for taking same in and out quickly.

WE do not manufacture fly screens, but we should be pleased to furnish estimates to architects and others for casement windows and leaded glass complete with fly screens of any approved make set complete, and thus take the responsibility for the complete installation.

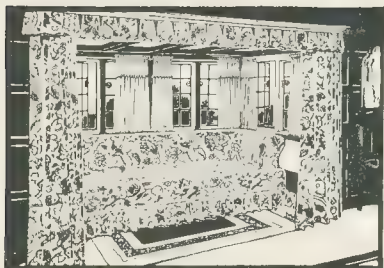
# INTERNATIONAL CASEMENT CO., INC.



SUGGESTION FOR APPLYING CURTAINS TO CASEMENT WINDOWS. THE HEAVY CURTAINS ACT AS SHADES TO DARKEN THE ROOM. THEY FORM PART OF THE INTERIOR DECORATION AND RECOMMEND THEMSELVES BY REASON OF THEIR SIMPLE ACTION AND EXTREMELY ARTISTIC EFFECT, WHICH IS SADLY LACKING IN ROLLER SHADES.

The casement curtains in this photograph were supplied by Heal & Son, London, England.





## CASEMENT WINDOWS FOR RESIDENTIAL WORK SHOULD SWING OUTWARDS

IN designing casement windows for the home, the question often arises, shall the casement swing inwards or outwards? Whilst we are in a position to supply both, and guarantee them weather-tight, we strongly recommend that they swing outwards.

CASEMENT sashes swinging inwards interfere with draperies, ornaments, and window seats, and it is impractical to satisfactorily apply either casement curtains or curtains and shades. It is impossible to draw the shades or curtains and at the same time have the windows open fully for ventilation.

THE mullioned windows usually used in conjunction with casements do not permit the use of outside shutters, nor are they a necessity, as with the use of transoms awnings can be satisfactorily used.

FLY screens and storm sashes can be satisfactorily fitted to sashes swinging out, as will be seen by referring to pages twenty-two and twenty-three.

CLEANING casement windows, above the ground floor, can be taken care of by using our patent safety cleaning hinges, which permit the casements to be cleaned from inside with ease and safety and without any projection into room. See page eleven for full description.

DURING severe storms our casements can be rigidly held by the adjusters, and in addition to these we fit all our casements with a special device for holding them open about one inch when slight ventilation is needed without noise or rattling. See page twenty-six for particulars of this device.

CASEMENT sashes swinging out act as vanes to deflect the wind, thus giving perfect ventilation without direct draught during inclement weather and by catching the breeze during hot weather.

TRANSOMS can be hinged at the top and swing outwards. These provide an excellent form of ventilation, and can be kept open slightly during heavy rains with very little chance of water blowing in.

THE QUAIN CHARM AND HOMELIKE EFFECT OF THE ENGLISH HOMES IS DUE TO A LARGE EXTENT TO THE MULLIONED CASEMENT WINDOWS AND LEADED GLASS

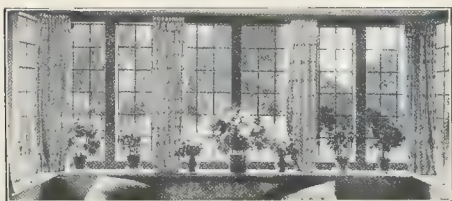


PLATE.  
ENER.  
ER.

G.

I.C.Co.

# INTERNATIONAL CASEMENT CO., INC.

## DEVICE FOR HOLDING CASEMENT SASHES OPEN WHEN SLIGHT VENTILATION IS REQUIRED WITHOUT NOISE OR RATTLING

**I**T has always been a difficulty to obtain a little ventilation with a casement sash, but we have now overcome this. All our side-hung casements, swinging outwards, are fitted with the device illustrated below, which keeps the casements open about one inch, and even during the strongest wind-storm they will not move or rattle.



ED TO ALL OUR SIDE-HINGED CASE-  
OUTWARDS, WITHOUT EXTRA CHARGE

**S**UGGESTION FOR APPLYING  
HEAVY CURTAINS ACT AS  
FORM PART OF THE INTERIC  
SELVES BY REASON OF THEIR  
EFFECT, WHICH IS SADLY LA-



# CASEMENT WINDOW HARDWARE

THIS is one of the most important parts of a casement window, and we have taken much time and care in designing the various patterns of fasteners and adjusters. No expense was spared in the modelling, and by our advanced method of casting we are able to produce bronze hardware that cannot be excelled. All our working parts are accurately machined and all screw-holes are drilled to a gauge, which makes all our hardware interchangeable.

NO attempt has been made to produce a cheap grade of hardware, as we realize that it is the quality, both in design and manufacture, that has helped to make the English casement window so popular. We have followed closely to the prevalent English designs, as their strength of construction and simplicity of design are so adaptable for this class of work.

ON page thirty-two we publish some pen-and-ink sketches of sixteenth-century casement hardware. These are sketches made by Mr. Sydney E. Castle in his rambles and visits made to old manor houses of the Tudor period. With the assistance of the skilled worker in wrought iron, F. Krasser, of Boston, we are able to reproduce any of these designs where architects wish to carry out and get the real effect of a Tudor or Elizabethan room.

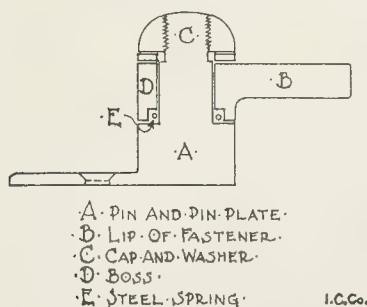
THE hardware alone regulates the quality of the casements. In Quality 1, the hardware is in bronze throughout; and in Quality 2, it is in iron with bronze working parts.

THE handle plates are made of finest quality mild steel, and are welded solid to the sashes.

OUR fasteners are made with the pin and pin plate cast in one piece, which gives the strength where most needed. Between the boss of the fastener and the plate we fit a tempered steel spring, which prevents the fastener working loose. The full-size section shows the strength of our construction.

WHERE fly screens are used the maximum projection of hardware on sashes swinging out is  $2\frac{3}{4}$  inches, see page seven; and for sashes swinging inwards  $1\frac{1}{2}$  inches, see page nine.

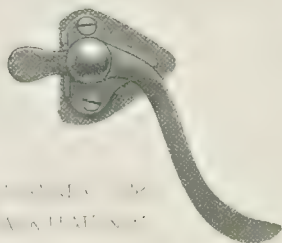
·FULL·SIZE·SECTION·  
·THRU·FASTENER·



# INTERNATIONAL CASEMENT FASTENERS

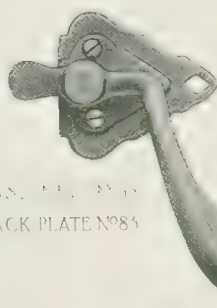


FASTENER NO. 81  
BACK PLATE NO. 81



FASTENER NO. 81  
BACK PLATE NO. 81

IN bronze finished a warm brown color, or in iron finished a dead black.



FASTENER NO. 82  
BACK PLATE NO. 82

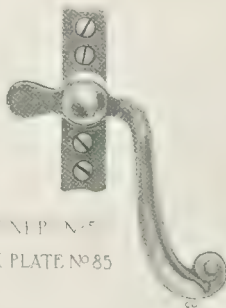


FASTENER NO. 82  
BACK PLATE NO. 82

PHOTOGRAPH shows the fasteners about half full size.



FASTENER NO. 83  
BACK PLATE NO. 82



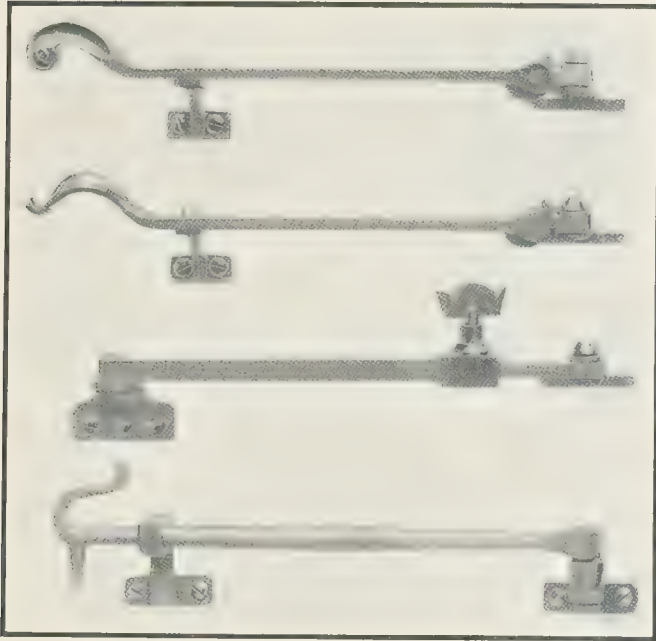
FASTENER NO. 84  
BACK PLATE NO. 85

NO. 85 plate is used for sashes swinging inwards and can also be supplied for wood casements.

THE plates need not necessarily be supplied to the fasteners as illustrated but may be used with any design of fasteners.



# INTERNATIONAL CASEMENT ADJUSTERS



No. 71

No. 72

No. 73

DOES NOT PROJECT WHEN  
SASH IS OPEN

No. 75

FOR SASHES OPENING IN-  
WARDS

MADE in iron or bronze, except No. 73, which is made in bronze only. Bronze is finished a warm brown color and iron a dead black. All iron hardware has working parts in bronze.

No. 75 is used for sashes swinging inwards only and is fixed on outside of sashes.

# INTERNATIONAL CASEMENT CO., INC.

## OPERATING DEVICES FOR TRANSOMS AND VENTILATORS



I. C. CO.

### NO. 116—BRONZE SPRING CATCH.

Can be operated either by cords or sash pull-hook. This is fitted to transoms and ventilators without extra charge.

NO. 93 —BRONZE SIDE-SPRING CATCH. Specially designed so that cords hang down the jamb. Extra over list prices for fitting this device to transoms (bottom hinged) and pivoted ventilators, \$2.25 each.



I. C. CO.



I. C. CO.

### NO. 109—RACK AND WHEEL OPENER. Positive and foolproof.

Made in three sizes :

No. 109. For transoms 2 feet square.

Opens 10 inches.

No. 110. For transoms 3½ feet square.

Opens 15 inches.

No. 111. For large transoms. Opens 18 inches.

See page fifty-five for extras over list prices. These can be fitted to any kind of transom and pivoted ventilators.

### NO. 115—TWIN SCREW OPENER.

Positive and foolproof. Projection from inside face of sash, 2 inches. Can be fitted to transoms and ventilators up to any size. See page fifty-five for extras over list prices.



I. C. CO.



I. C. CO.

NO. 107—SIDE-ARM OPENER. Only suitable for transoms up to 21 inches wide. Projection from inside face of sash, 2 inches. See page fifty-five for extras over list prices.



# INTERNATIONAL CASEMENT CO., INC.

## DOUBLE AND TREBLE GRIP SLIDE BOLTS FOR CASEMENTS OVER FIVE FEET HIGH BARREL BOLTS FOR FRENCH CASEMENTS



I. C. CO.

NO. 133—Treble Grip Slide Bolt. Secures sash top, bottom, and center—fitted to all side-hinged casements over 6 feet 0 inches high.



I. C. CO.

NO. 131—Double Grip Slide Bolt. Secures sash in two positions when closed. Fitted to all side-hinged casements over 5 feet 0 inches high.



I. C. CO.

NO. 136—Barrel Bolt in bronze. Fitted to first closing half of French casements.

## IMPORTED FRENCH ESPAGNOLETTE BOLTS

WE can fit to our French casements, Section 1A swinging inwards in pairs, Espagnolette Bolts made in France. These can be supplied in any finish and in various designs to match any period. Photographs and designs will be furnished on application.

# TYPES OF OLD FURNITURE etc.



KENT



KENT



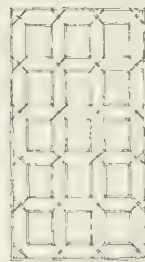
WARWICK



HADDON



BROADWAY

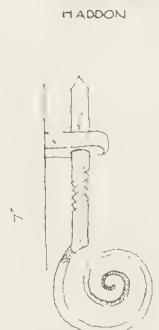


GLOUCESTER



BRAMHALL

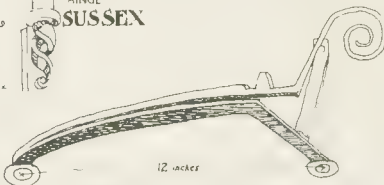
## LEADED GLASS.



SOMERSET



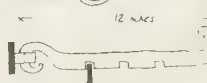
SUSSEX



KENT



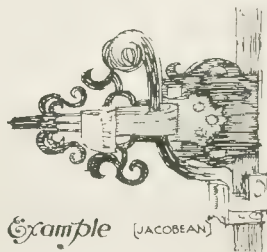
SOMERSET



GLOSTER



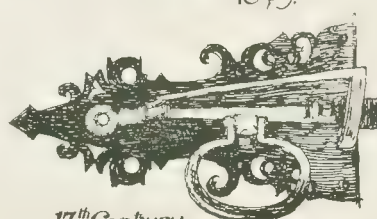
WORCESTER



Example (JACOBSEAN)



SURREY



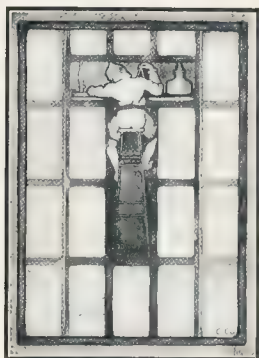
17<sup>th</sup> Century

SYDNEY E CASTLE  
delincator 1912



# INTERNATIONAL CASEMENT CO., INC.

## LEADED GLASS



## STAINED GLASS

IT is a distinct advantage for the manufacturer of the casements to make the leaded glass for same. We manufacture the highest grade of leaded lights, in strong lead comes, or hard metallic setting. Each light is thoroughly cemented both sides and guaranteed absolutely weathertight.

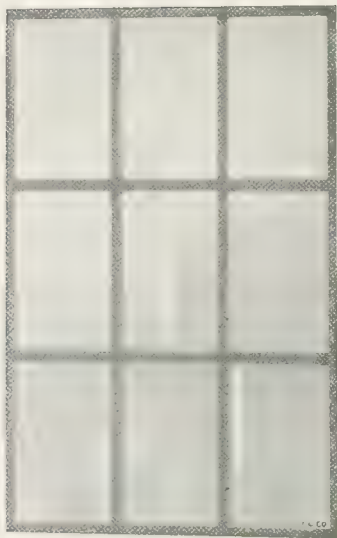
### GLASS

We carry in stock first quality double thick crystal sheet,  $\frac{1}{8}$ -inch crystal plate glass, and English unflattened crown glass.

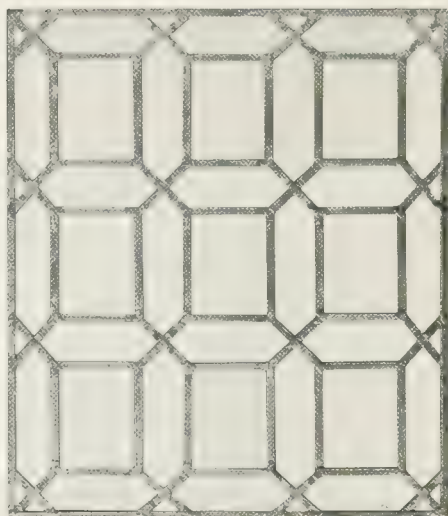
### UNFLATTENED CROWN GLASS

This is used to obtain the uneven effect of the glass used in the residences built in England during the sixteenth and seventeenth centuries. This effect will be noticed in the photographs and measured drawings of old work found on pages thirty-nine, forty-three, forty-seven and fifty-one.

We have made a deep study of the sizes of square panes and diamond panes, both in the old work and also in connection with the modern requirements, and we will gladly place this information at the disposal of our customers. Badly proportioned leaded lights can spoil the interior decoration of the room. The diamond panes should be used only in windows where observation from inside is limited.



Size of squares, 6½ inches x 10 inches Came, ½-inch wide.



Size of inside squares, 3½ inches x 4½ inches. Came, ½-inch wide  
This makes a good design for transoms.



Size of diamond panes, 4 inches x 6½ inches.  
Came, ½-inch wide.

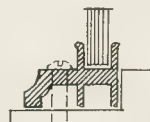
**H**OPPER VENTILATOR IN LOWER PART HAS SIDE WINGS WITH GLASS IN SAME. WHEN VENTILATOR IS OPEN THERE IS NO DOWN DRAFT. THESE ARE VERY SUITABLE FOR CHURCHES AND SCHOOLS.

Page Thirty-Four

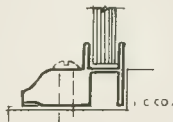
## COMBINATION ART GLASS CAME AND METAL STOP OR GLAZING BEAD

(PATENT APPLIED FOR)

**B**ELOW we give full-size details of a combined came and glass stop bead. This does away with the unsightly putty glazing, which is always an unsatisfactory method when metal sashes are used. This can be applied to all our leaded lights at a slight extra cost, and is set to the steel sashes by means of brass or bronze screws after being bedded in cement.



F. S. detail of came and stop mould made of an alloy of lead and antimony.



F. S. detail of came and stop mould made in zinc or copper.



# ENGLISH DOMESTIC ARCHITECTURE IN THE TUDOR AND JACOBEOAN PERIODS

PHOTOGRAPHS AND MEASURED DRAWINGS

THE photographs and measured drawings in the following pages were specially prepared for us by Mr. Sydney E. Castle, Architect, London, who is an authority on this style of architecture. The measured drawings are true and accurate, and can be relied upon.

THIS measured work was attended with many difficulties, as the owners of these fine examples are jealous of them, and are loth to grant permission to photograph and measure them. We feel, however, that the examples illustrated in the following pages are true types, and are really some of the best examples of the Tudor and Jacobean periods.

WE publish these photographs and sketches with the hope that our customers may find them useful in designing residence work with casement windows. In the measured drawings we have given dimensions showing the widths of masonry openings, heights of casements and transoms, thickness of stone mullions, sizes of leaded glass panes, both squares and diamond, size of lead comes, and also any peculiarities in the hardware.

IN connection with the leaded glass in these residences the use of diamond panes was only resorted to where the outlook was necessarily limited.

THE iron casements and leaded glass shown in these photographs are the same as originally put in three centuries ago.

## UPPER SWELL MANOR HOUSE

THIS house is not far from Stow-on-the-Wold, and is a typical example of what is termed the "Cotswold" type of architecture. It is one of the smallest manor houses in England. The date of the house is not known by the present owner, but it may be safely assumed as being of the sixteenth century. The label moulds to the windows give indication of earlier work, but the entrance porch is a Jacobean addition. The iron casement windows are of the flat-bar type, both the frame and sash being made of  $1\frac{1}{2}$  inches by  $\frac{3}{4}$ -inch wrought iron. The fastener plates are interesting, and are, without doubt, contemporary with the windows. The glasses used in the leaded glass are varied in color and of rare quality. There are minor windows with diamond panes, as indicated in the smaller sketches on the measured drawings, but these are used only where the outlook is limited.

The roof is of gray stone slates, which vary in thickness and in color. No small part of the dignity of the Cotswold building comes from the steep pitched roofs and the severe outlines of the gable ends. Both are inherent in the material and in the craft in using it; naturally, William Morris loved the countryside when it so preached his gospel.

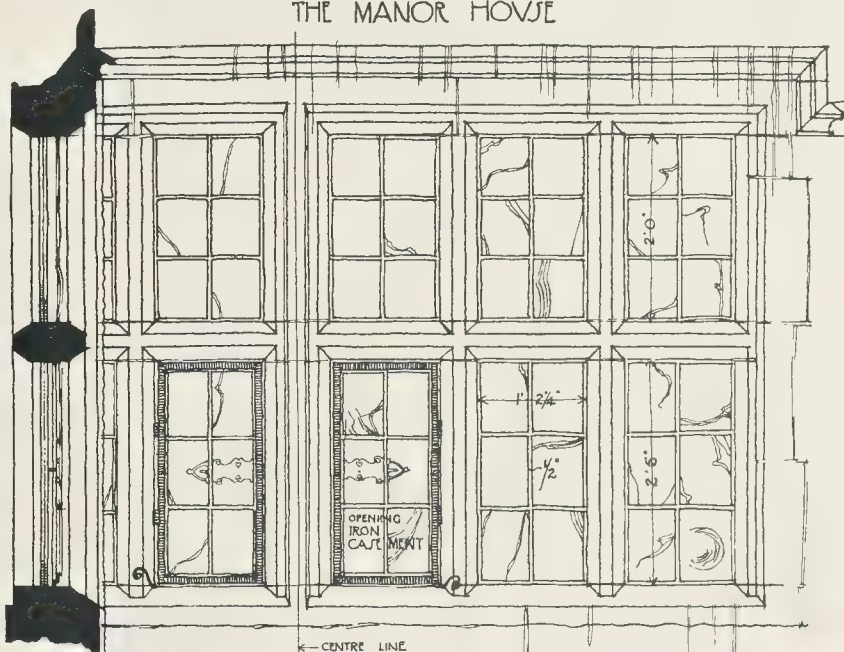






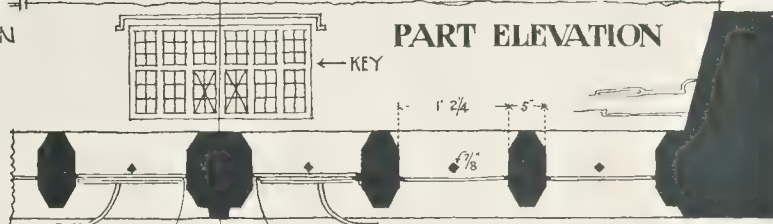


# WINDOW AT UPPER SWELL NR STOW - ON - THE - WOLD, *Gloucestershire* THE MANOR HOUSE



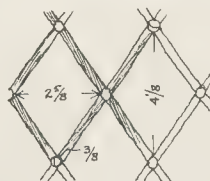
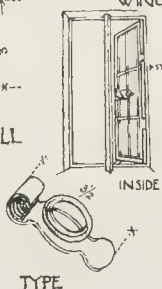
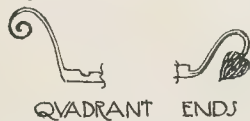
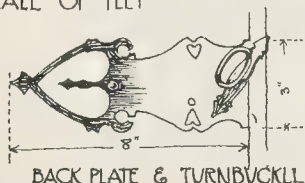
SECTION

PART ELEVATION



PLAN

SCALE OF FEET



DETAIL OF DIAMOND PANES

SYDNEY E. CASTLE : :  
MEASURED & DRAWN 1912 I.C. Co

## WESTWOOD, WORCESTERSHIRE

1586

THIS window was selected mainly on account of the singular interest attached to the design of the leaded glass, which was originally the treatment of all the windows. The "arms" in the transoms are of one general design, and are those of the Pakingtons. The diamond glass is beautifully proportioned and is slightly tinted without disturbing the outlook. The hardware is of little consequence, and it is possible that more elaborate hardware was once in position. Some of the smithy work at this period produced light scrolls, which were quite useless for the purpose and soon fell into disuse.

The house stands in a beautiful park, and a photograph can hardly do justice to a pile of buildings which are cited as a fine example of a brick house of this period.



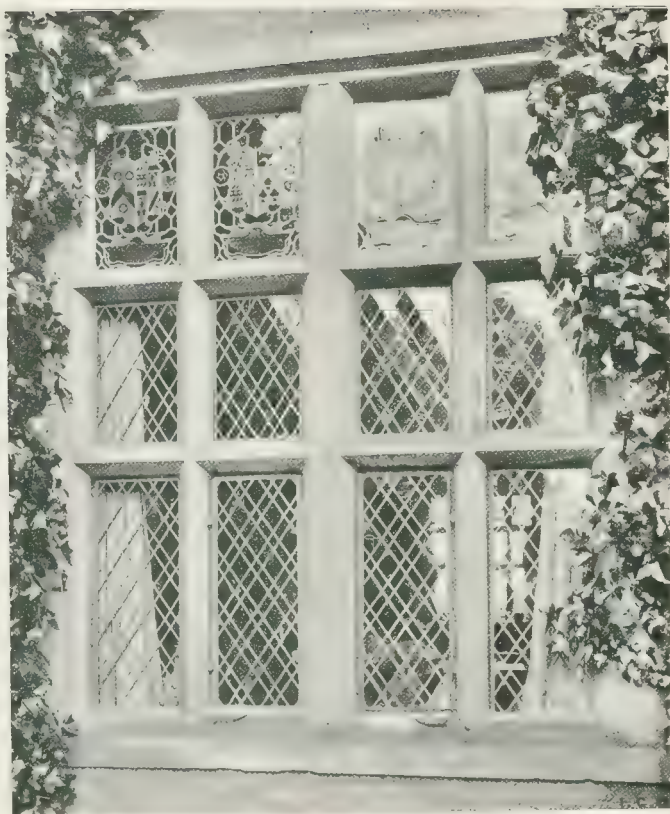


I. G. Co.

**WESTWOOD  
WORCESTER**



**DETAIL OF  
MEASURED  
WINDOW:**







# KNOLE, KENT

1485-1603

THIS is one of the most interesting residences of its type in the world, and has been associated with the Sackville family since 1603. The date of the house begins with the original buildings in 1485, but from observations and references Mr. Castle made it is evident that this particular window he measured dates from the beginning of the Sackville possession in 1603. The stonework has become impoverished to the windows generally, but every care is being observed in restoration work to reproduce native lines and feeling.

The detailed photograph gives a type of bay window, the proportions of which are immediately engaging. The casement sash is made of  $1\frac{1}{4}$  inches by  $\frac{1}{2}$ -inch flat iron with L-shaped outside frame. The outside quadrant adjusters are fine examples, and the push-out handles on the sills of the sashes are peculiar. The "arms" in the stained-glass transom lights are those of Bishop Cranmer, this room having been associated with him.

The small sketch in the measured drawing showing the diamond panes is of a window largely used in the court and also in the main front where observation was not required from inside. The glass is varied in color from dark green to amber.

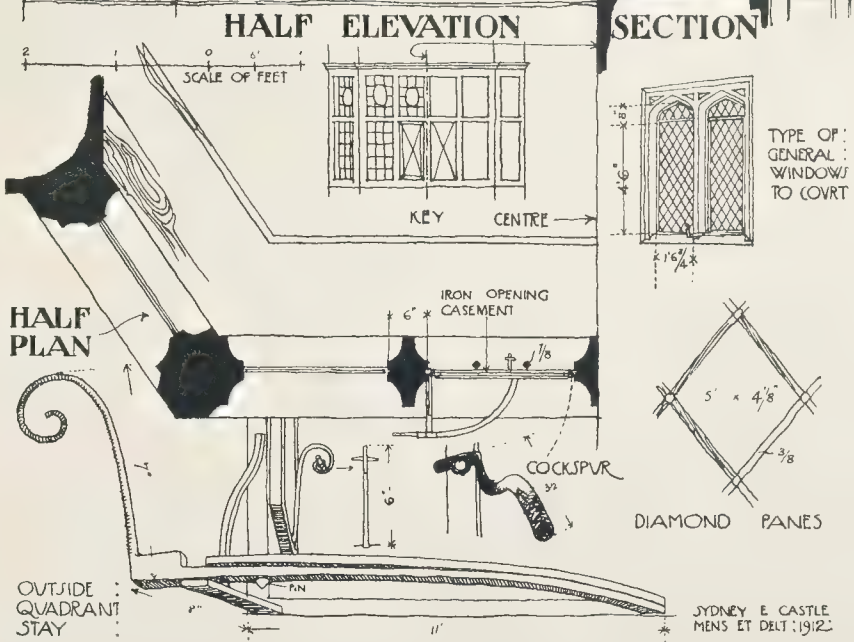
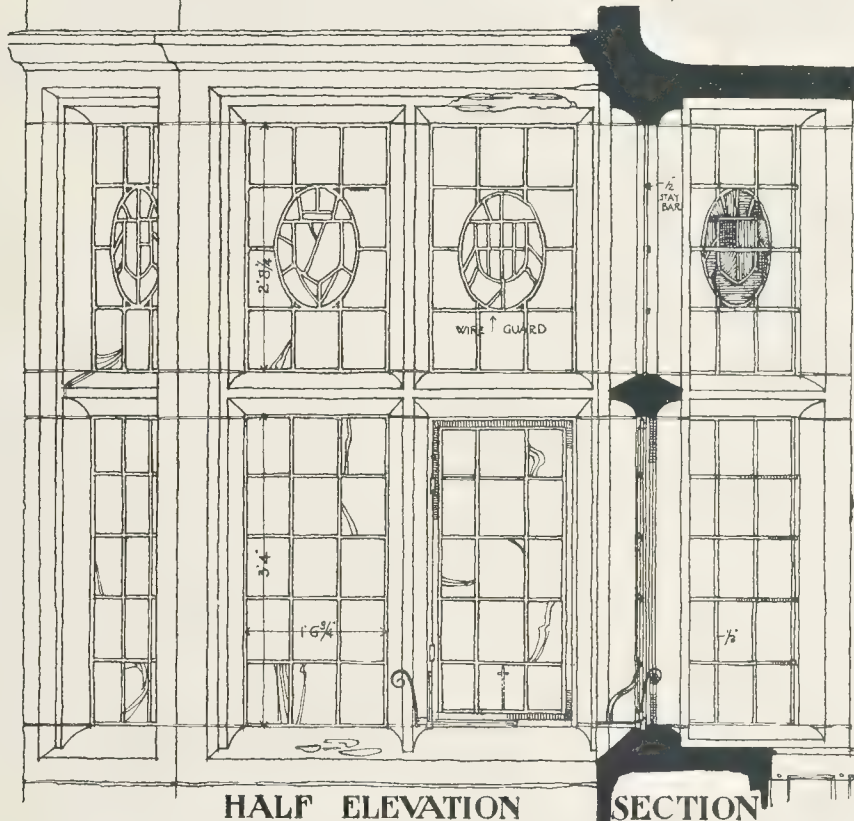
The measurements and photographs were taken by kind permission of Lord Sackville.







# WINDOW TO COURT, KNOLE, KENT.



# ASTON HALL, WARWICKSHIRE

1618-1631

THE window shown on the measured drawing is of an orthodox type of the late sixteenth or early seventeenth century, and is of simple and pleasing proportions.

The glasses are very thin and uneven, but quite clear in vision. The casement sash is of a flat-bar type, made out of  $1\frac{1}{2}$  inches by  $\frac{1}{4}$ -inch wrought iron, hung on pivot hinges, which, unfortunately, have become in a rather bad condition owing to neglect. The hardware, without being of uncommon type, is simple and not without interest. The stone mullions give an instance of the beginning of the enriched Jacobean feeling, and give a fine breadth to the whole window.

Aston Hall is a brick-and-stone building, rich in historical associations, but, unfortunately, suffering from want of proper upkeep.







# WINDOW TO FRONT, ASTON 1618 - 31

WARWICK



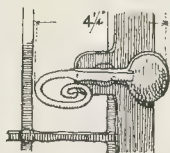
ELEVATION

SECTION

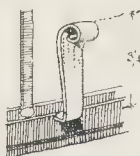
PLAN



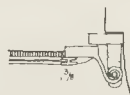
GLASS CLEAR  
VNEVEN FACE



TURNBUCKLE



LEVER



HINGE

MEASURED & DRAWN  
BY SYDNEY E CASTLE  
1912

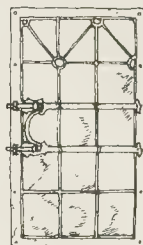
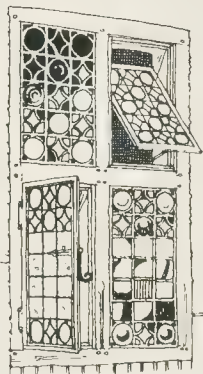
16.6a



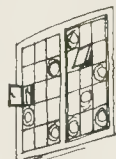
# SKETCHES FOR WINDOW FITTINGS.



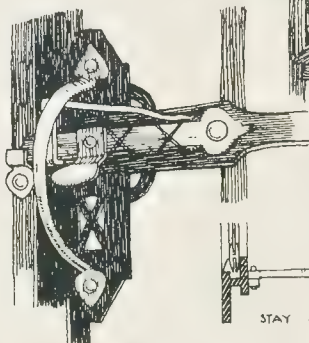
A BAY



CASEMENT & GLASS

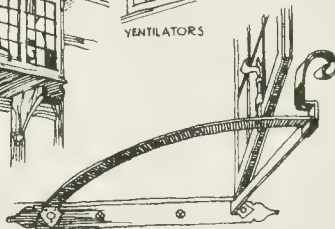


VENTILATORS

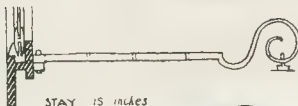


NORFOLK

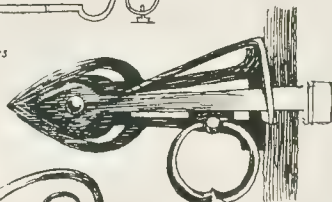
FASTENERS ABOUT  
HALF FULL SIZE



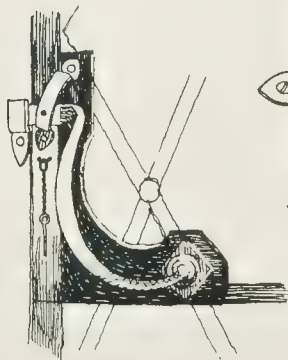
QUADRANT  
1/4 FULL SIZE



STAY 15 INCHES



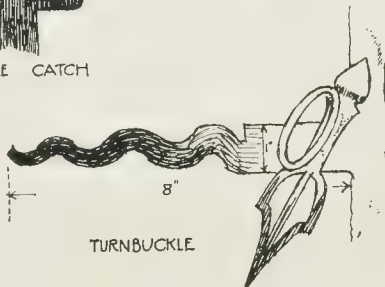
RING DROP



CASEMENT HANDLE



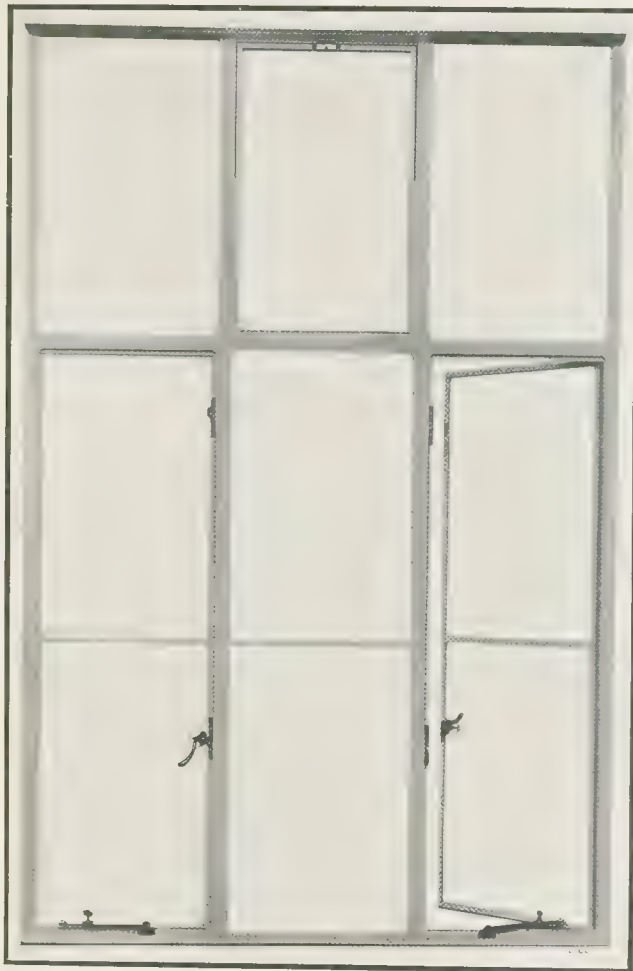
SIMPLE CATCH



TURNBUCKLE

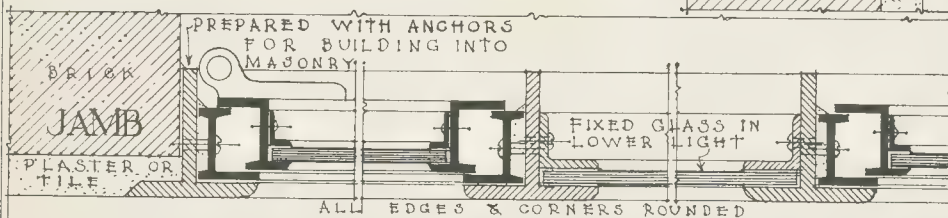
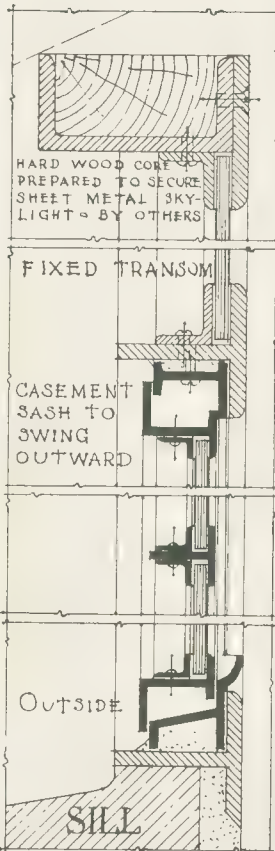
SYDNEY E. CASTLE INV : ET : DELT

10.6a



• PHOTOGRAPH OF WINDOW SET •  
 • IN CITY HOSPITAL - ITHACA, N.Y. •  
 • GIBB & WALTZ - ARCHITECTS •

HALF FULL SIZE  
 • DETAILS •  
 OPERATING-ROOM  
 WINDOWS FOR  
 HOSPITALS



INTERNATIONAL CASEMENT CO.  
 INCORPORATED  
 JAMESTOWN NEW YORK

1 C CO

# INTERNATIONAL CASEMENT CO., INC.

## JAMESTOWN, N. Y.

### PRICE LIST

CASEMENTS, FIXED SASHES, AND VENTILATORS, IN SOLID ROLLED-STEEL—INCLUDING HARDWARE

NOTE.—These prices include for frames with square heads and prepared for glass in one square. See page 5 for complete specifications.

#### CASEMENTS SIDE-HINGED TO SWING OUTWARDS

SYMBOL "S.O."

THREE-POINT SECTION No. 1 (See page 6 for full size details)				TWO-POINT SECTION No. 2 (See page 7 for full size details)			
Width	Height	Quality No. 1	Quality No. 2	Width	Height	Quality No. 1	Quality No. 2
Under 2' 0"	Under 3' 6"	29.75	27.30	Under 2' 0"	Under 3' 6"	21.15	18.75
Under 2' 0"	Under 3' 6"	30.90	28.50	Under 2' 0"	Under 3' 6"	21.75	19.35
Under 2' 0"	Under 4' 0"	32.15	29.75	Under 2' 0"	Under 3' 6"	22.35	19.95
Under 2' 0"	Under 4' 0"	34.50	32.10	Under 2' 0"	Under 4' 0"	23.55	21.15
Under 2' 0"	Under 4' 0"	37.35	34.95	Under 2' 0"	Under 4' 0"	24.75	22.35
Under 2' 0"	Under 4' 0"	44.75	41.75	Under 2' 0"	Under 4' 0"	30.75	27.75
Under 2' 0"	Under 6' 0"	46.85	43.85	Not made 5' 0" or over			
Under 2' 0"	Under 6' 0"	51.75	48.75				
Under 2' 0"	Under 7' 0"	55.15	52.15				

#### CASEMENTS SIDE-HINGED TO SWING INWARDS

SYMBOL "S.I."

THREE-POINT SECTION No. 1A (See page 8 for full size details)				TWO-POINT SECTION No. 2A (See page 14 for full size details)			
Width	Height	Quality No. 1	Quality No. 2	Width	Height	Quality No. 1	Quality No. 2
Under 2' 0"	Under 3' 0"	34.20	31.80	Under 2' 0"	Under 2' 6"	25.00	22.60
Under 2' 0"	Under 3' 6"	35.40	33.00	Under 2' 0"	Under 3' 0"	25.60	23.20
Under 2' 0"	Under 4' 0"	36.75	34.35	Under 2' 0"	Under 3' 6"	26.15	23.75
Under 2' 0"	Under 4' 6"	39.15	36.75	Under 2' 0"	Under 4' 0"	27.15	25.00
Under 2' 0"	Under 5' 0"	43.20	40.60	Under 2' 0"	Under 4' 6"	28.60	26.20
Under 2' 0"	Under 5' 6"	49.50	46.50	Under 2' 0"	Under 5' 0"	33.25	30.80
Under 2' 0"	Under 6' 0"	51.60	48.60	Not made 5' 0" or over			
Under 2' 0"	Under 6' 6"	56.45	53.50				
Under 2' 0"	Under 7' 0"	60.00	57.00				

#### SAFETY CLEANING CASEMENTS PIVOTED VERTICALLY

SYMBOL "V.P."

THREE-POINT SECTION No. 1C (See page 10 for half full size details)				TWO-POINT SECTION No. 2C (Full size details same as Section 25 on page 14)			
Width	Height	Quality No. 1	Quality No. 2	Width	Height	Quality No. 1	Quality No. 2
Under 2' 0"	Under 3' 0"	39.35	36.95	Under 2' 0"	Under 2' 6"	31.35	28.95
Under 2' 0"	Under 3' 6"	40.85	38.45	Under 2' 0"	Under 3' 0"	31.95	29.55
Under 2' 0"	Under 4' 0"	42.35	39.95	Under 2' 0"	Under 3' 6"	32.55	30.15
Under 2' 0"	Under 4' 6"	44.40	42.40	Under 2' 0"	Under 4' 0"	33.15	30.75
Under 2' 0"	Under 5' 0"	47.80	45.40	Under 2' 0"	Under 4' 6"	34.35	31.95
Under 2' 0"	Under 5' 6"	55.45	52.45	Under 2' 0"	Under 5' 0"	42.60	40.20
Under 2' 0"	Under 6' 0"	59.65	56.65	Not made 5' 0" or over			
Under 2' 0"	Under 6' 6"	62.55	59.55				
Under 2' 0"	Under 7' 0"	66.15	63.15				

#### FRENCH WINDOWS (DOUBLE FOLDING CASEMENTS) TO SWING OUTWARDS IN PAIRS

SYMBOL "D.F."

THREE-POINT SECTION No. 1 (See page 17 for full size details)				TWO-POINT SECTION No. 2 (See page 12 for full size details)			
Width	Height	Quality No. 1	Quality No. 2	Width	Height	Quality No. 1	Quality No. 2
Under 4' 0"	Under 3' 0"	62.40	57.30	Under 4' 0"	Under 2' 6"	43.20	39.00
Under 4' 0"	Under 3' 6"	65.10	59.85	Under 4' 0"	Under 3' 0"	45.60	41.40
Under 4' 0"	Under 4' 0"	69.15	62.55	Under 4' 0"	Under 3' 6"	48.00	43.80
Under 4' 0"	Under 4' 6"	72.45	65.50	Under 4' 0"	Under 4' 0"	50.40	46.20
Under 4' 0"	Under 5' 0"	78.45	71.40	Under 4' 0"	Under 4' 6"	52.80	48.60
Under 4' 0"	Under 5' 6"	84.05	77.75	Under 4' 0"	Under 5' 0"	67.05	62.85
Under 4' 0"	Under 6' 0"	95.55	87.15	Not made 5' 0" or over			
Under 4' 0"	Under 6' 6"	108.75	102.35				
Under 4' 0"	Under 7' 0"	115.80	109.40				

#### FRENCH WINDOWS (DOUBLE FOLDING CASEMENTS) TO SWING INWARDS IN PAIRS

SYMBOL "D.F.I."

THREE-POINT SECTION No. 1A (See page 19 for half full size details)				TWO-POINT SECTION No. 2A (See page 14 for full size details)			
Width	Height	Quality No. 1	Quality No. 2	Width	Height	Quality No. 1	Quality No. 2
Under 4' 0"	Under 3' 0"	68.70	66.75	Under 4' 0"	Under 2' 6"	47.40	45.30
Under 4' 0"	Under 3' 6"	74.30	69.45	Under 4' 0"	Under 3' 0"	51.60	47.70
Under 4' 0"	Under 4' 0"	77.15	72.15	Under 4' 0"	Under 3' 6"	54.30	50.10
Under 4' 0"	Under 4' 6"	82.20	77.15	Under 4' 0"	Under 4' 0"	56.90	52.50
Under 4' 0"	Under 5' 0"	88.20	83.15	Under 4' 0"	Under 4' 6"	59.10	54.60
Under 4' 0"	Under 5' 6"	103.95	97.65	Under 4' 0"	Under 5' 0"	71.50	69.30
Under 4' 0"	Under 6' 0"	108.15	102.05	Not made 5' 0" and over			
Under 4' 0"	Under 6' 6"	118.50	112.25				
Under 4' 0"	Under 7' 0"	126.00	119.70				

#### TRANSOMS TOP HINGED TO SWING OUTWARDS

SYMBOL "T.H."

THREE-POINT SECTION No. 1 (See page 6 for full size details)				TWO-POINT SECTION No. 2 (See page 12 for full size details)			
Width	Height	Quality No. 1	Quality No. 2	Width	Height	Quality No. 1	Quality No. 2
Under 2' 0"	Under 3' 0"	28.50	26.10	Under 2' 0"	Under 2' 6"	19.85	18.00
Under 2' 0"	Under 3' 6"	29.70	27.30	Under 2' 0"	Under 3' 0"	20.45	18.60
Under 2' 0"	Under 4' 0"	30.90	28.50	Under 2' 0"	Under 3' 6"	21.05	19.20

#### TRANSOMS—BOTTOM HINGED TO SWING INWARDS

SYMBOL "B.H."

THREE-POINT SECTION No. 1A (See page 8 for full size details)				TWO-POINT SECTION No. 2A (See page 14 for full size details)			
Width	Height	Quality No. 1	Quality No. 2	Width	Height	Quality No. 1	Quality No. 2
Under 2' 0"	Under 3' 0"	32.10	29.70	Under 2' 0"	Under 2' 6"	22.15	19.95
Under 2' 0"	Under 3' 6"	33.30	30.90	Under 2' 0"	Under 3' 0"	21.75	20.55
Under 2' 0"	Under 4' 0"	34.65	32.25	Under 2' 0"	Under 3' 6"	22.35	21.15

#### PIVOTED VENTILATORS—TO SWING ON HORIZONTAL PIVOTS

SYMBOL "H.P."

THREE-POINT SECTION No. 1S (See page 10 for half full size details)				TWO-POINT SECTION No. 2S (See page 14 for full size details)			
Width	Height	Quality No. 1	Quality No. 2	Width	Height	Quality No. 1	Quality No. 2
Under 2' 0"	Under 3' 0"	30.60	28.20	Under 2' 0"	Under 2' 6"	18.65	17.45
Under 2' 0"	Under 3' 6"	31.80	29.40	Under 2' 0"	Under 3' 0"	17.25	16.05
Under 2' 0"	Under 4' 0"	33.15	30.75	Under 2' 0"	Under 3' 6"	18.15	16.95

#### FIXED SASHES

Width	Height	Section No. 1	Section No. 2
Under 2' 0"	Under 2' 6"	8.20	6.65
Under 2' 0"	Under 3' 0"	9.40	7.95
Under 2' 0"	Under 3' 6"	9.90	7.40
Under 2' 0"	Under 4' 0"	10.55	7.80
Under 2' 0"	Under 4' 6"	11.45	8.15
Under 2' 0"	Under 5' 0"	12.35	8.55
Under 2' 0"	Under 5' 6"	13.25	8.92
Under 2' 0"	Under 6' 0"	14.15	Not
Under 2' 0"	Under 6' 6"	15.00	made
Under 2' 0"	Under 7' 0"	16.00	over
		5' 6"	

#### STORM SASHES AND SASHES FOR DOUBLE GLAZING

(See page 22 for full size details)

Width	Height	Section No. 1
Under 2' 0"	Under 3' 0"	19.20
Under 2' 0"	Under 3' 6"	20.55
Under 2' 0"	Under 4' 0"	22.35
Under 2' 0"	Under 4' 6"	24.15
Under 2' 0"	Under 5' 0"	26.00



# EXTRAS OVER LIST PRICES

## EXTRA WIDTHS

Casements, Transoms, and Ventilators over 2 feet 0 inches  
and French Casements over 4 feet 0 inches

Three-Point Section No. 1 . . . . .	\$0.30 per inch
Two-Point Section No. 2 . . . . .	.22 per inch

Fixed Sashes and Storm Sashes over 2 feet 0 inches

Section No. 1 . . . . .	\$0.15 per inch
Section No. 2 . . . . .	.12 per inch

## SHAPED HEADS

Casements with Semi-circular, Segmental, and Gothic Heads

Section No. 1 . . . . .	\$8.25 each
Section No. 2 . . . . .	6.45 each
French Casements, Double these prices for both sections	
Fixed Sashes . . . One-half these prices both sections	

## CIRCULAR ON PLAN (Bent to Radius)

Casements Bent on Plan to Radius

Section No. 1 . . . . .	\$8.25 each
Section No. 2 . . . . .	6.45 each
French Casements . . . Double these prices both sections	
Fixed Sashes . . . One-half these prices both sections	

## STEEL MUNTINS

Casements, Fixed Sashes, etc., divided into Panes  
by Steel Muntins

Sections Nos. 1 and 2, see page 15 for F.S. details. Add to list price . .	\$0.67 per pane
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## STIFFENING OR SADDLE BARS FOR LEADED GLASS

Standard size $\frac{1}{2}$ -inch by $\frac{1}{4}$ -inch, including riveting into sashes . . . . .	\$0.52 each
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## METAL STOP BEADS (GLAZING BEADS) FOR HOLDING IN THE GLASS

In Steel, with corners welded, set by brass on bronze screws . . . \$0.22 per lineal foot	
This same price applies to glazing bars added to top or bottom of casements and fixed sashes to permit glazing to be continued above or below.	

## BRONZE DOUBLE BAR ADJUSTER

Fitted to Casements opening outwards

Single Casements, add . . . . .	\$1.85 each
French Casements . . . . .	3.75 per pair

## OPERATING DEVICES FOR TRANSOMS AND VENTILATORS, SEE PAGE 30 FOR ILLUS- TRATIONS AND DESCRIPTIONS

No. 93 Side-Spring Catch with Pulleys allowing cords to hang down the jambs, add . .	\$2.25 each
No. 107 Side-Arm Opener, only suitable for Transoms up to 21 inches wide, all Bronze	\$3.00 each
Iron and bronze . . . . .	0.90 each
Rack and Wheel Opener made in three sizes.	
No. 109 for Transoms 2 feet square, opens 10 inches, all Bronze . . . . .	\$3.00 each
No. 109 for Transoms 2 feet square, opens 10 inches, Iron and Bronze . . . . .	\$1.00 each
No. 110 for Transoms $3\frac{1}{2}$ feet square, opens 15 inches, all Bronze . . . . .	\$4.50 each

No. 110 for Transoms $3\frac{1}{2}$ feet square, opens 15 inches, Iron and Bronze . . . . .	\$2.50 each
No. 111 for large Transoms, opens 18 inches, all Bronze . . . . .	\$7.50 each
Iron and Bronze . . . . .	3.25 each
No. 115 Twin Screw Opener, made according to size of transom.	
Transoms up to 18 inches wide, all Bronze	\$3.00 each
Iron and Bronze . . . . .	2.50 each
Transoms up to 24 inches wide, all Bronze	4.50 each
Iron and Bronze . . . . .	4.00 each
Transoms up to 36 inches wide, all Bronze	7.50 each
Iron and Bronze . . . . .	6.00 each

## CORDS AND BRONZE CLEAT HOOKS

For operating any of the above transom devices, add . . . . .	\$1.10 each
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## EXTRA COAT HARD-DRYING ENAMEL

List prices include for two coats of paint. If extra coat  
of enamel is required add to prices of casements and  
fixed sashes 5 per cent.

## PATENT PIVOT FOR SAFETY CLEANING

Casements side-hinged swinging outwards on upper floors can be cleaned from inside by fitting our patent pivot. Add to list prices of sections Nos. 1 and 2 . . . . .	\$7.50 each
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See page 11 for illustrations

## FRENCH CASEMENT DOORS

Steel Kick Plates . . . . .	\$1.80 per square foot
Bronze Rim Lock and Lever handles, allowing doors to be opened and locked from both sides, including steel lock rail, add . . .	\$25.00 per pair

## SETTING

In Wood Frames

Up to 5 feet 6 inches high, Casements . .	\$3.75 each
Fixed Sashes . . . . .	3.00 each
Over 5 feet 6 inches high, Casements . .	5.25 each
Fixed Sashes . . . . .	4.50 each

In Stone Jambs and Mullions

Up to 5 feet 6 inches high, Casements . .	\$4.85 each
Fixed Sashes . . . . .	4.10 each
Over 5 feet 6 inches high, Casements . .	6.35 each
Fixed Sashes . . . . .	5.60 each

French Casements double the above prices according to  
height.

Add 15 cents per mile to cover time, fares, and travelling  
expenses, basing the mileage from the nearest branch  
office or from the factory.

## ALL OUR SECTIONS CAN BE MADE IN EX- TRUDED BRONZE. SPECIAL PRICES ON APPLICATION

## TERMS OF PAYMENT

All prices include delivery F.O.B. Jamestown, N.Y.  
Contracts not set by us are net thirty days ; 2 per cent.  
cash ten days.  
Contracts set by us the terms will be as follows: 50 per  
cent. of contract amount on delivery at the building,  
30 per cent. monthly according to the value of work  
set each month, and final 20 per cent. thirty days  
after completion of setting.

# INTERNATIONAL CASEMENT CO., INC.

## PARTIAL LIST OF BUILDINGS IN WHICH OUR CASEMENT WINDOWS HAVE BEEN OR ARE BEING INSTALLED

### RESIDENCES

Rumsey Residence, Lansing. Bley & Lyman, Architects.  
Buffalo.  
Stern Residence, Rochester, N.Y. H. M. Stern, Architect.  
Mathews Residence, Buffalo, N.Y. George Cary, Architect.  
Frey Residence, Rochester, N.Y. James B. Arnold.  
Architect.  
H. R. Rea Residence, Sewickley, Pa. McClure & Spahr,  
Architects.  
Hugh Moren Residence, Pittsburgh.  
Mrs. John Moren Residence, Pittsburgh.  
J. F. Bell Residence, Minneapolis. Wm. C. Whitney,  
Architect.  
Geo. Tener Residence, Sewickley, Pa. Rutan & Russell,  
Architects.  
Beekman Residence, Newport, R.I.  
John Bindley Residence, Pittsburgh.  
Miss A. B. Jennings Residence, New York. Thomas Nash,  
Architect.  
Henry A. Strong Residence, Rochester, N.Y. Crandall and  
Strobel.  
King Residence, Winona, Minn. Geo. W. Maher, Architect,  
Chicago.  
H. M. Tilford Residence, New York. Hiss & Weekes,  
Architects.  
R. A. Sibley Residence, Rochester, N.Y. Wm. H. Miller,  
Ithaca, N.Y.  
S. Hirsch Residence, Niagara Falls. Wright & Kremers,  
Architects.  
Stuart Duncan Residence, Newport, R.I. J. Russell Pope,  
Architect.  
P. Burnett Residence, Wilmington, Del. Brown & Whiteside,  
Architects.  
Pencoyd Residence, Cynwyd, Pa.  
Luddington Residence, Pittston, N.Y. Otto Block, Architect.  
H. R. Verran Residence, Sea Gate, N.Y. W. L. Stoddart,  
Architect.  
Mrs. E. Morris Residence, Chicago. Howard Shaw,  
Architect.

### COLLEGE BUILDINGS AND SCHOOLS

Cornell University, Prudence Risley Hall, Ithaca, N.Y.  
William H. Miller, Architect.  
Ithaca High School, Ithaca, N.Y. W. H. Miller, Architect.  
Hutchinson Central High School, Buffalo, N.Y. Osgood  
Holland.  
Princeton University. Cram, Goodhue & Ferguson,  
Architects.  
East Academic Bldg., West Point. Cram, Goodhue and  
Ferguson, Architects.  
Catholic University, Dining Hall. Murphy & Olmsted,  
Architects, Washington.

### PUBLIC BUILDINGS

City Hospital, Ithaca, N.Y. Gibb & Waltz, Architects.  
H. A. Sherwin Library, Willoughby, O. Abram Garfield,  
Architect.  
Newark Trust and Safe Deposit Bank, Newark, Del. L. B.  
Jacobs, Architect.  
National Geographic Society Bldg., Washington, D.C. A. B.  
Heaton, Architect.  
Bank, Gowanda, N.Y. E. H. Moeller, Architect.  
Museum of Fine Arts, Minneapolis, Minn. McKim, Mead  
and White, Architects.  
Athenum Library, Boston, Mass. Bigelow & Wadsworth,  
Architects.  
People's Nat. Bank, Steubenville, O. Peterson & Clark,  
Architects.  
M. E. Church Chapel, Erie, Pa. Alden & Harlow,  
Architects.  
Church of Sacred Heart, Buffalo, N.Y. Carl Schmill,  
Architect.  
Farmers' Bank Bldg., Wilmington, Del. Edward C. May,  
Architect.  
Emergency Hospital, Washington, D.C. Nathan Wyeth,  
Architect.

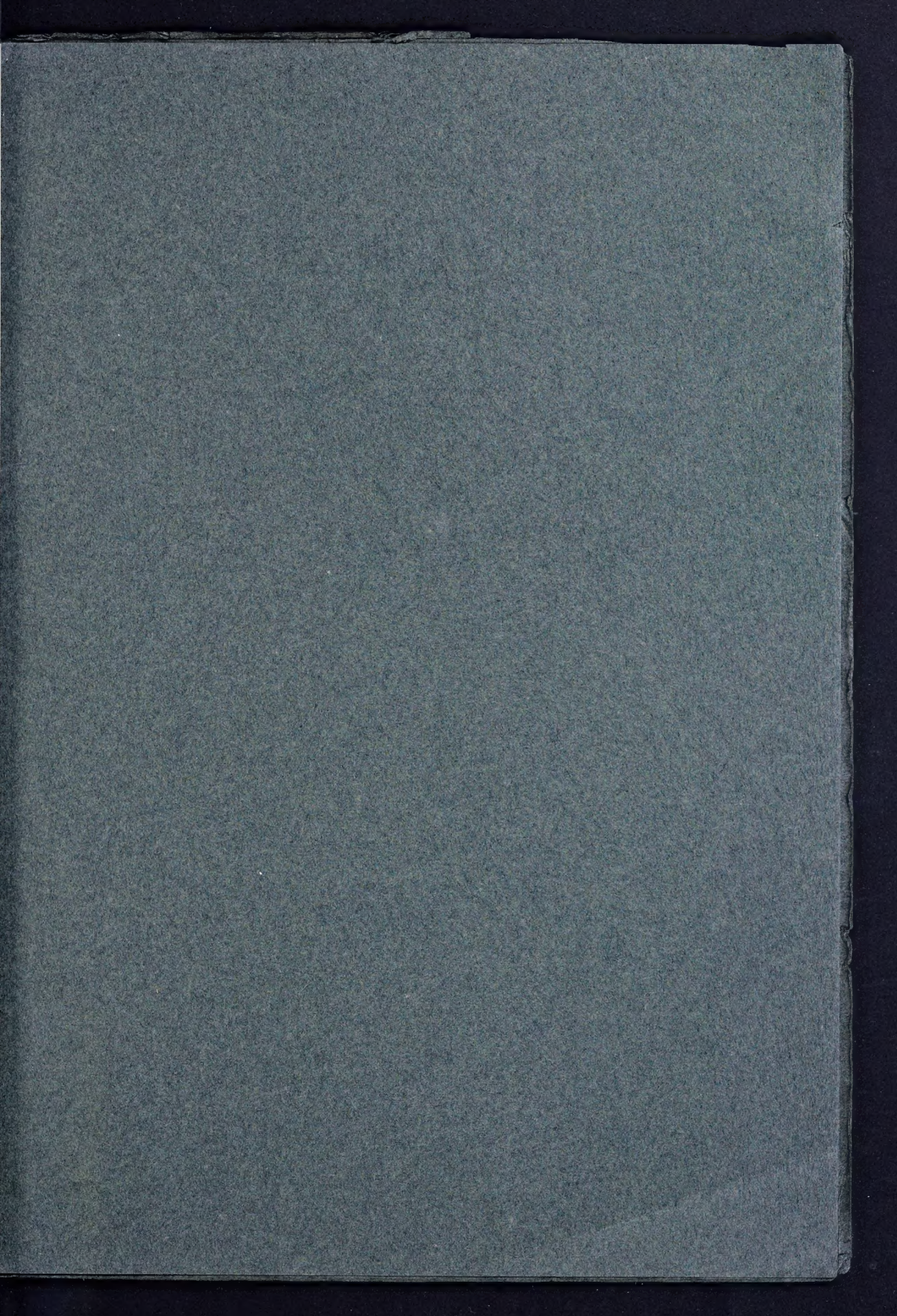
### APARTMENT HOUSES AND HOTELS

Rollins & Schuttler Apts., Chicago, Ill. Marshall & Fox,  
Architects.  
Biltmore Hotel, New York. Warren & Wetmore, Architects.  
Butler Apts., Erie, Pa. Joseph Lee, Architect.  
Dillinger Apts., Pittsburgh, Pa. Fred K. Scheibler,  
Architect.  
Dr. Pusey Apts., Chicago, Ill. Perkins, Fellows & Hamilton,  
Architects.

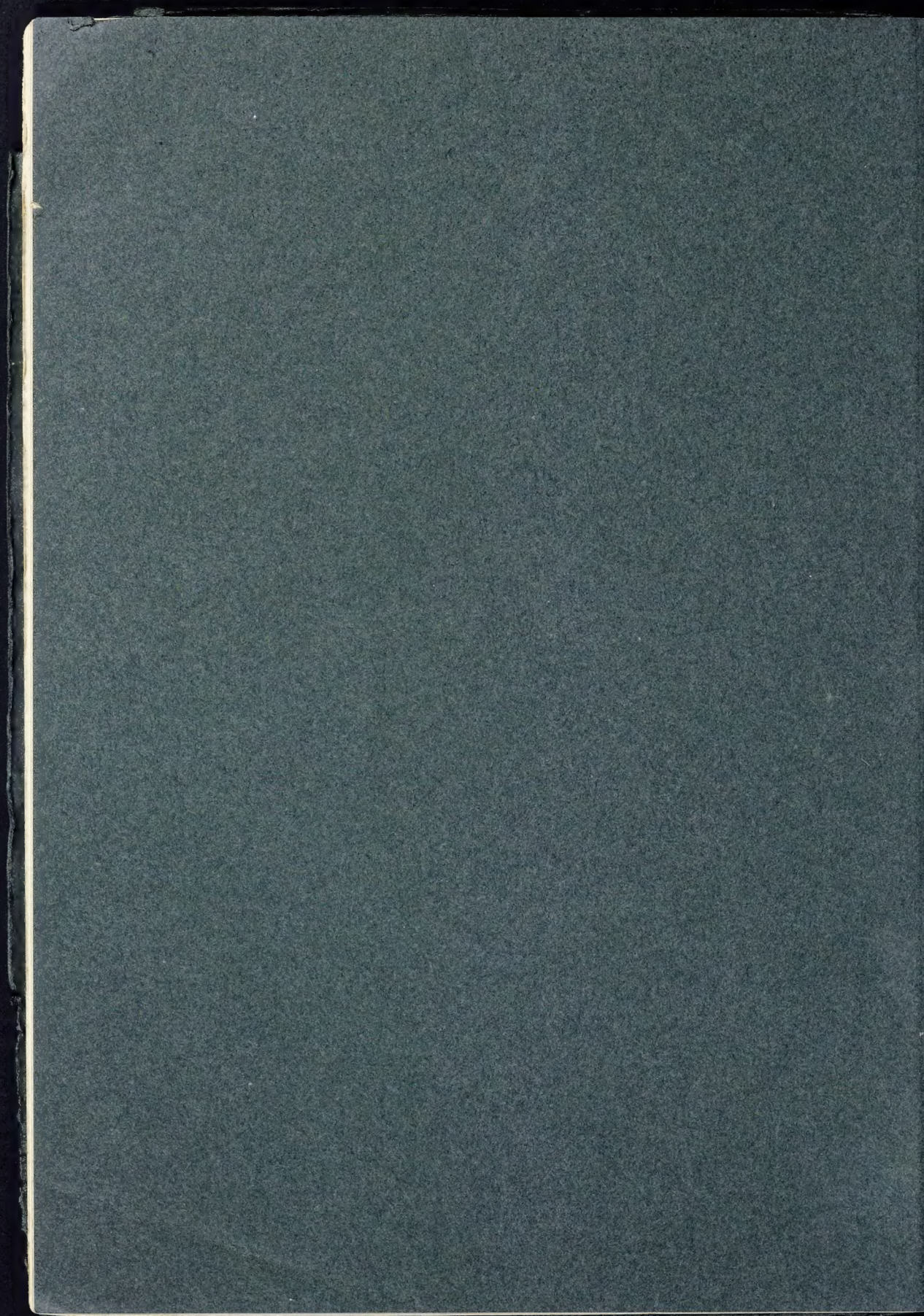
### OFFICE BUILDINGS

Western & Southern Life Insurance Bldg., Cincinnati, Ohio.  
Hake & Kuck, Architects.  
Dominion Square Land Bldg., Montreal, Can. Brown and  
Vallance, Architects.  
Bleuery Street Bldg., Montreal, Can. Brown & Vallance,  
Architects.  
Collateral Loan Bldg., Boston. C. H. Blackall, Architect.  
Simons Natural Development Bldg., Chicago. Holsman and  
Hunt, Architects.  
Minneapolis Gateway Bldg., Minneapolis. Hewitt & Brown,  
Architects.  
Consolidated Gas Bldg., New York. Consolidated Gas Co.,  
Architect (Mr. Stark, Engineer).  
Boston Edison Co., Boston, Mass. Bigelow & Wadsworth,  
Architects.











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